THE ARCHITECTURAL FORUM

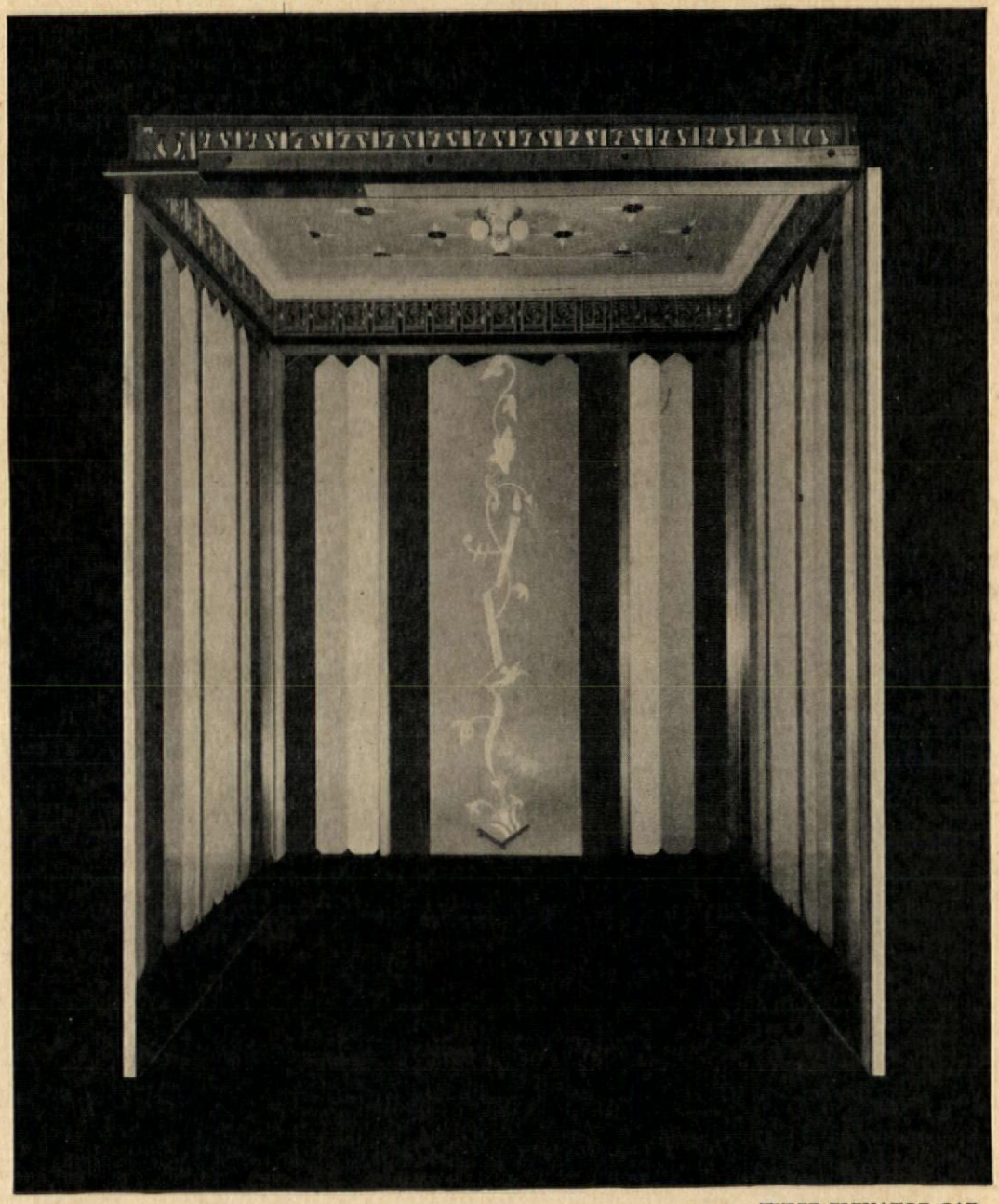
IN TWO PARTS



PART ONE
ARCHITECTURAL DESIGN

NOVEMBER

1929



TYLER ELEVATOR CAR

THERE is real pleasure in having purchased a superior product

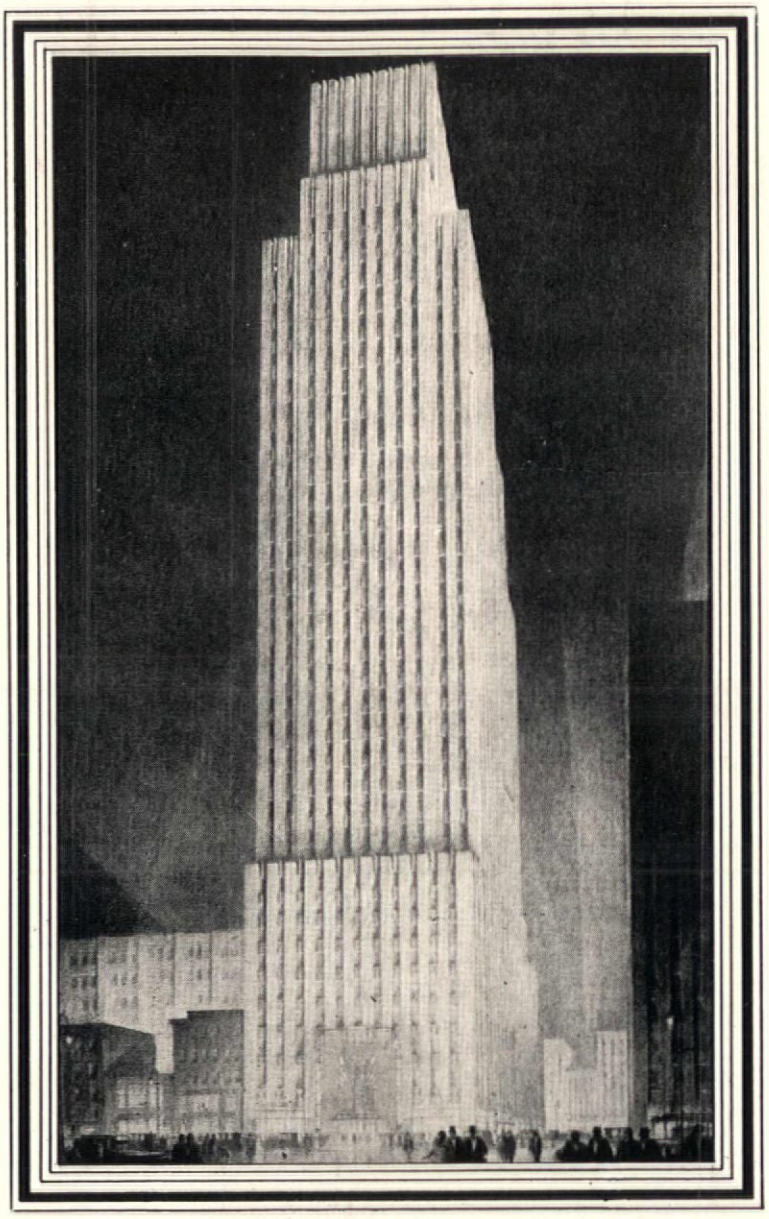
ELEVATOR CARS

TYLER

THE TYLER COMPANY, Cleveland, Ohio

ELEVATOR ENTRANCES

HANLEY FACE BRICK



Daily News Building, 41st-42nd Street and 2nd Avenue
John M. Howells—Raymond M. Hood, Associate Architects
Hegeman Harris Company, Inc., Contractors

As a relief to the pure white shaft of Hanley Glazed Brick the spandrels of this building are of rose and black colored brick. The glazed brick are self-cleaning and will accentuate the flood lighting.

Hanley Glazed Brick can be had in whites, mottled tans, greens and blues. Their cost laid in the wall is only one-third more than face brick and little more than half the cost of stone. The useage of white glazed brick for high class office buildings is growing rapidly due to the permanent white color obtained and the dignified appearance which keeps these buildings new for a long period of time.

ESTABLISHED 1893

HANLEY COMPANY

Largest Manufacturers and Distributors of Face Brick in the East

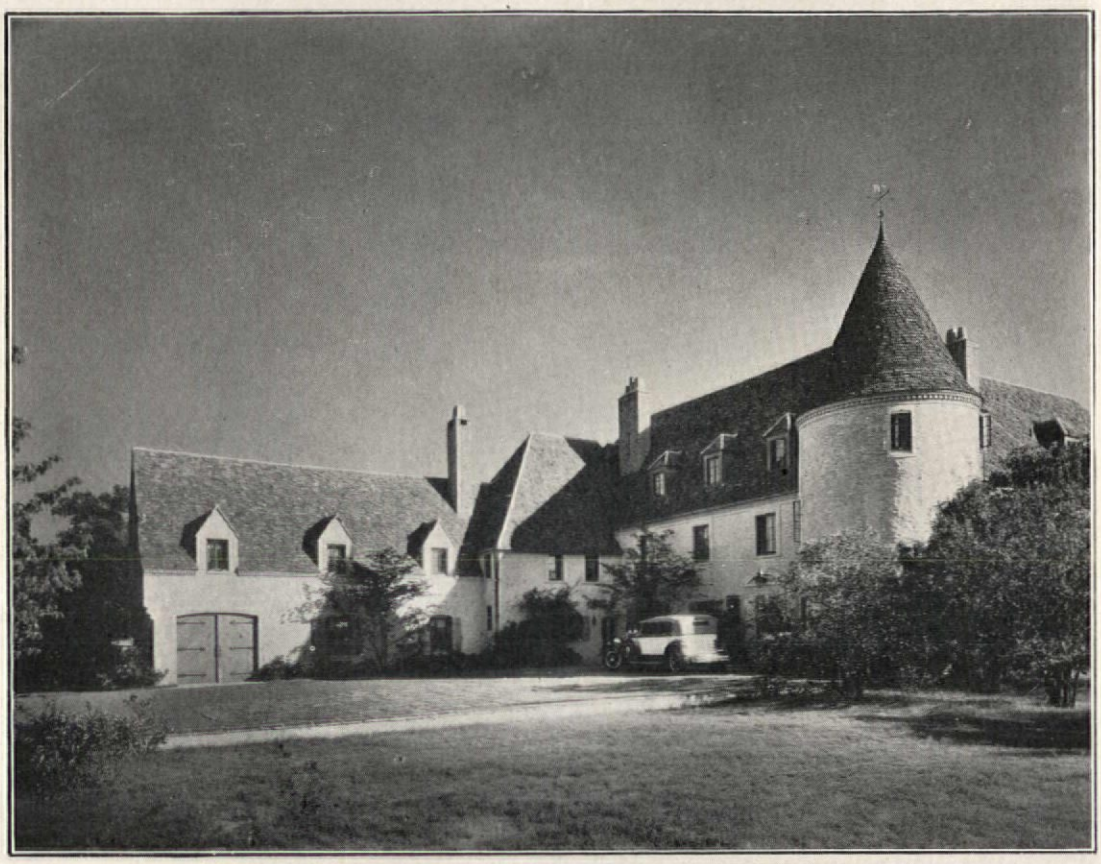
BOSTON—260 TREMONT ST. BRADFORD, PA. NEW YORK—565 FIFTH AVE.

THE ARCHITECTURAL FORUM

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VOLUME LI
Number 5

Like the Time-Weathered Roofs of OLD ENGLAND



A Long Island Estate. Benjamin Wistar Morris and L. C. Holden, Jr., Architects, New York

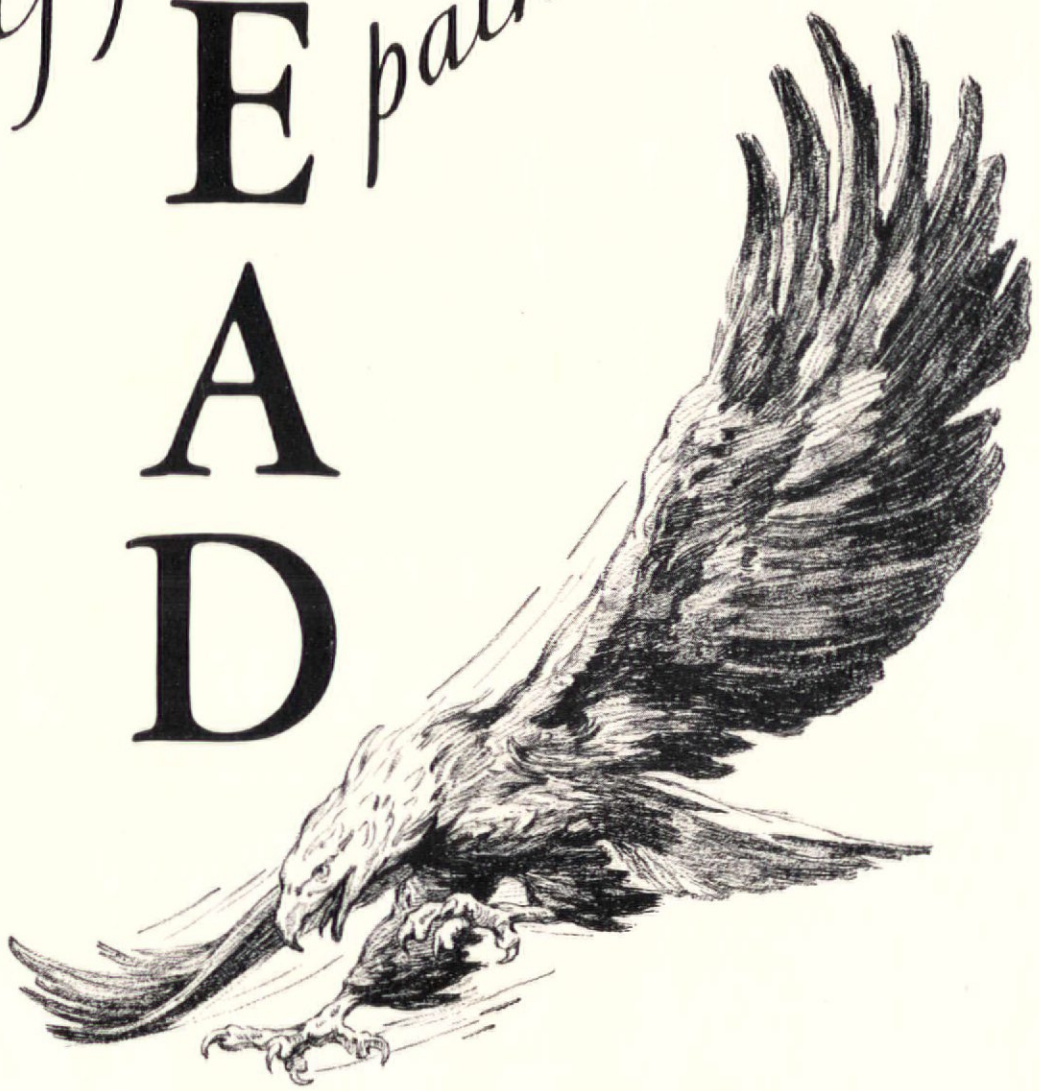


AFTER comparing the genuine age-old appearance of these tile with originals from England and France as well as those produced by other American manufacturers, *Heinz Plymouth* Shingle Tile have time and again been chosen by well known architects. In their delicate coloring and hand made texture, they are so similar to the beautiful tile of the Old World that importing has become entirely unnecessary. Samples will gladly be sent on request.

THE HEINZ ROOFING TILE CO.

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made by The Eagle-Picher Lead Company, 134 N. La Salle Street, Chicago. Producers of lead, zinc and allied products.



Residence of W. L. Moody, III.
Shadowlawn Addition,
Galveston, Texas
A. C. Finn
Architect
J. W. Woodruff
Contractor
R. E. Sullivan
Brick Contractor

Colonial Colors
in Acme Brick

COLOR'S the thing and Face Brick the medium for charm and permanency in architectural expression. The quiet dignity and beautiful simplicity of this splendid home fairly radiates an atmosphere of old historical Colonial days.

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WELL-BURNED CLAYS NEVER DECAY—SPECIFY ACME

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AN architect asked us this question after admiring a beautiful building faced with Indiana Limestone. Our answer was: "Specify Gray Indiana Limestone from the quarries of Indiana Limestone Company."

Gray Indiana Limestone has a unique beauty. It offers among other things the effect of solidity and dignity. It is the original color and character of the entire Indiana Limestone deposit.

Many of the outstanding buildings of recent years are of Gray Indiana Limestone. It is becoming increasingly popular for commercial structures just as it has always been favored for monumental types of construction.

Your client will be interested in Gray when you tell him that because this stone constitutes the "heart" of the quarry, it can be had at an actual saving of money.

Please let us send you the names of buildings in your locality constructed of Gray Indiana Limestone. We will gladly show you photographs of any types of buildings you may be particularly interested in and do whatever else may be necessary to give you a complete picture of this class of our stone.



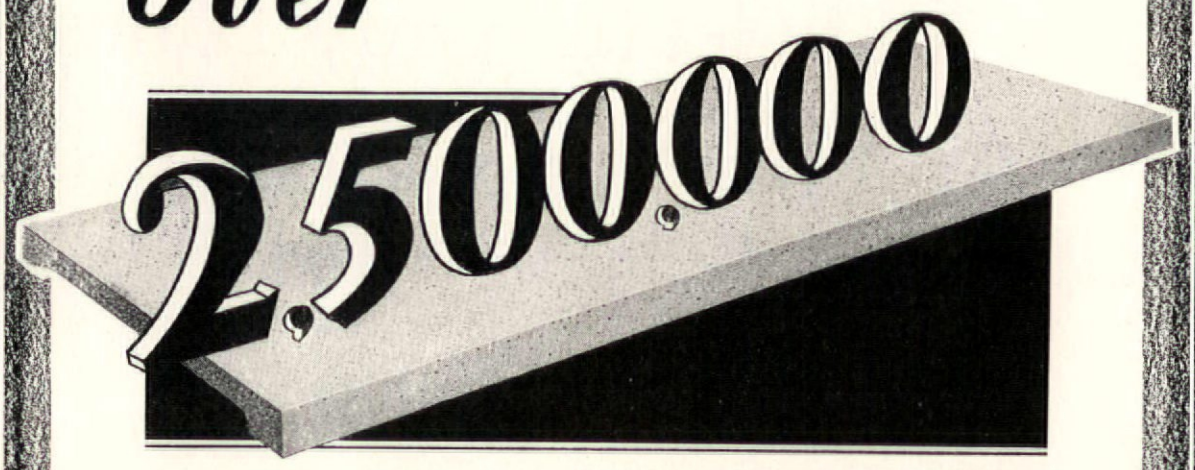
Manhattan Life Insurance Building, New York City. Wm. L. Rouse, Architect. Shroder & Koppel, Inc., Builders. Built of Gray Indiana Limestone.

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Executive Offices: Tribune Tower, Chicago

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Featherweight Concrete INSULATING ROOF SLABS

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FOR OVER A QUARTER CENTURY

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This cheery sun room is in the celebrated Grueby faience. The floor is an attractive random sienna pattern. The face of the fountain is a restful olive green, with a Chinese Mirror black base. Around the arch is a distinctive Pardee green and black vine design, while the fountain itself is of Grueby cream faience. The steps are a pleasing combination of olive green and sienna.

The enduring beauty of Pardee real tiles is just as ideal for homes, apartments, hotels, schools and office buildings. In fact a steadily increasing number of architects are finding that there is no substitute for Pardee real tiles.

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Please send me without cost or obligation: ☐ Your catalogue in color.
☐ Original suggestion in color covering tile work as noted on enclosed blueprint.

Name ..... Address .....

PARDEE REAL KERAMIC TILES



Gebhardt Residence,
Cincinnati, Ohio.

John Henri Deeken,
Architect,
Cincinnati,
Ohio.

Close-up of original roof,
Salisbury, England.

Yorkshire Shingle Tile

In the conception of Yorkshire Antique shingle tile, years of study abroad and painstaking experiments were required. Such time and care, however, have resulted in the creation of a shingle tile which faithfully simulates the hand made tiles of the Old World in characterizing thru permanent burned-in color effects, the mellowing hues produced by years of exposure to the weather.

Because of the incidental nature of the antique color effects it is impossible to separate the colors except into representative groups. Samples are ready at your request. Address Department "F," Daisy, Tennessee.

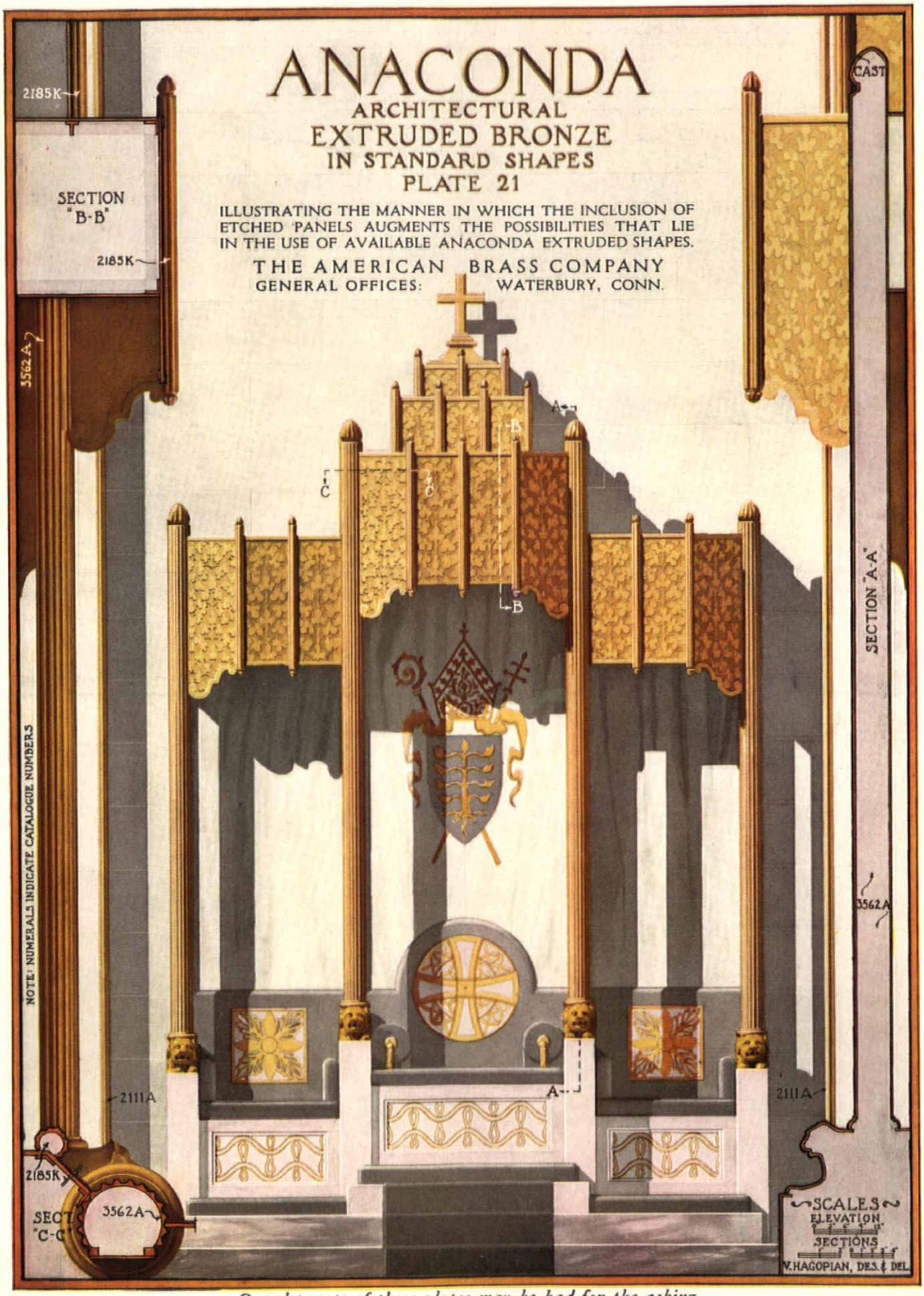
B. Mifflin Hood Company

KIL-KRAFT TILES

TRADE MARK

DAISY, TENNESSEE

Above all things use Hood Roofing Tile



Complete sets of these plates may be had for the asking

Peace

The noise in an airplane is said to be not far from the limit of human endurance.

In extreme contrast—is it possible to imagine a picture of more nearly perfect quiet, peace, beauty?

And, look again! does not that Sheldon Slate Roof, that "roof of eternal beauty," contribute a liberal share?



This picture of quiet, peaceful, enduring beauty, than which there is no greater factor in promoting human happiness, is that of the residence of George G. Sicard, Larchmont, New York; John Russell Pope, Architect; F. H. Wakeham Company, Builders.

It silently but unmistakably suggests a Sheldon Slate Roof for that excellent building you have on the boards, in order that it, too, may give you and its owners the utmost of contentment.

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· BRANCHES IN PRINCIPAL CITIES ·

AMERICA NEEDS MORE GARAGES IN HER CITIES

The Skyscraper has become a Combination Building . . . utilizing the lower portion as a Parking Garage.

IT is axiomatic that no garage truly serves unless like the ubiquitous cigar store it is within a few feet of your front door—be it office building, apartment, hotel or what not.

Such structures as the one pictured here point the new way out. The Combination Building! It has already been built in sufficient numbers to justify the prediction that it holds a sound solution to two vexing problems.

First, it affords indoor parking facilities where the public wants them, and where capacity patronage is immediately available.

And, by utilizing the lower floors and inner-court area for rough-finished garage space it makes profitable use of space for which the rental yield at competitive office space rates does not justify the construction cost of office space partitioning and fitting out.

Let us tell you what others have been doing. Ask us to send you "Combination Building Sketches".

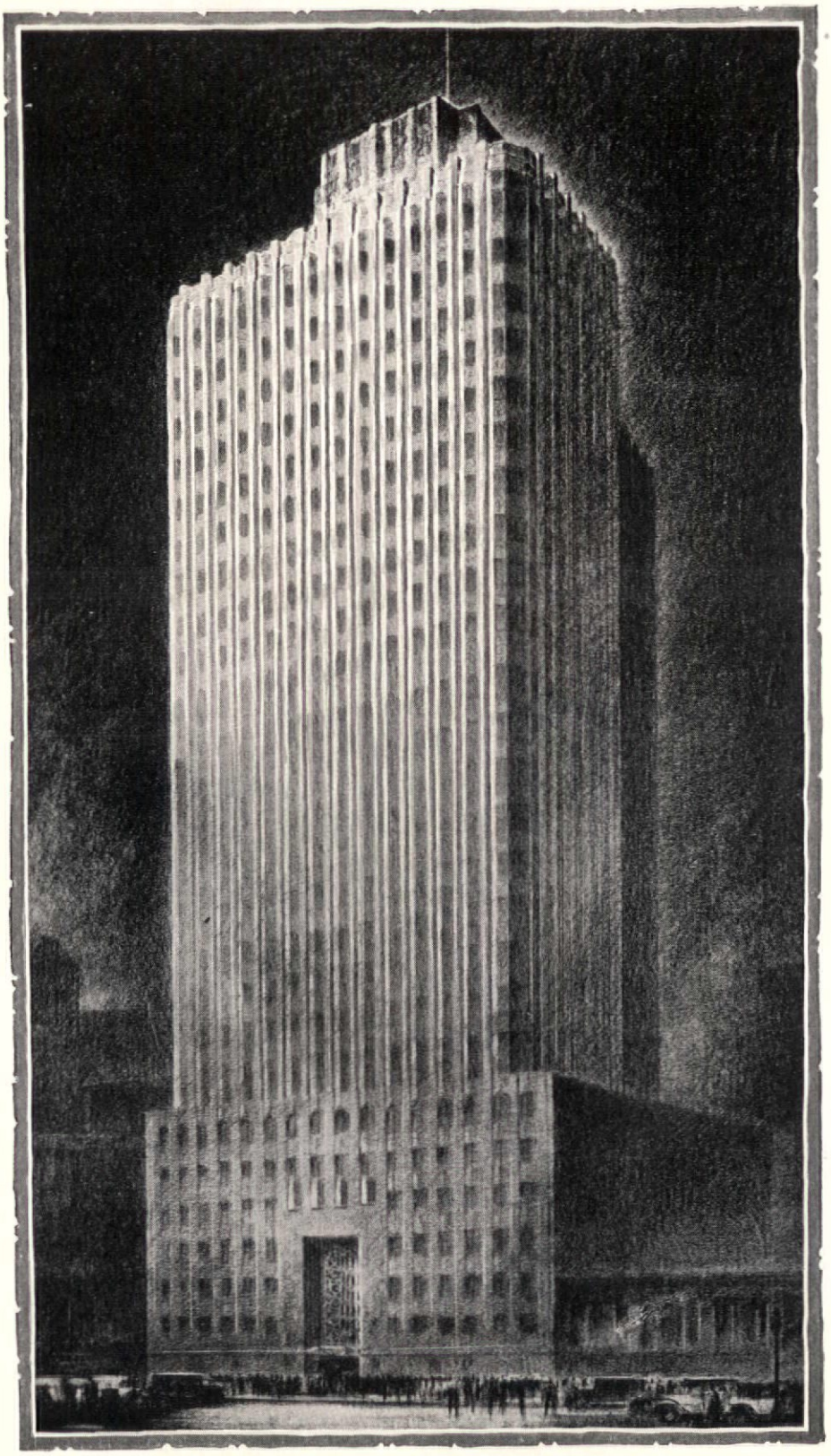


Another notable example will be pictured soon

RAMP BUILDINGS CORPORATION

Garage Engineers

21 East 40th St., New York, N.Y.

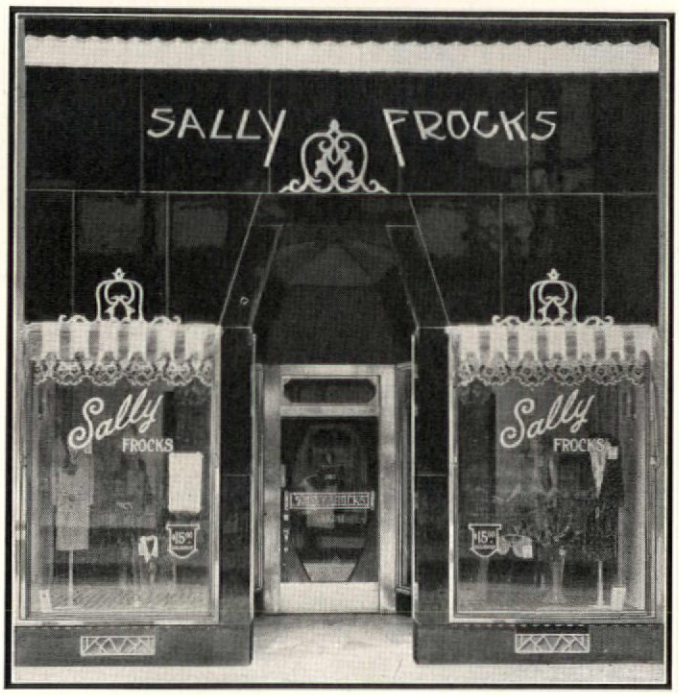


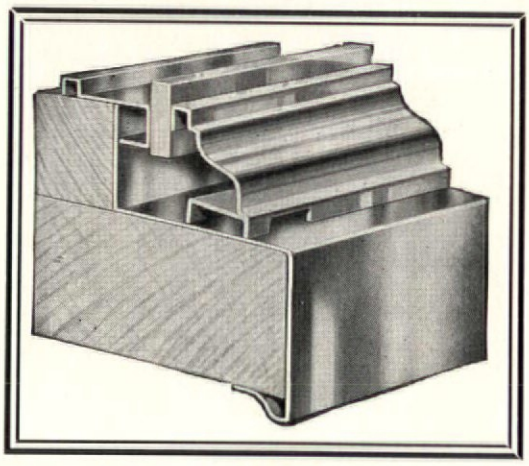
Four Fifty Sutter Building, San Francisco. J. R. Miller & T. L. Pfluger, Architects
A 28 story office building in which 7 lower floors and 2 basement levels constitute a d'Humy Motoramp Garage

159

Leading the Trend

A Sally Frocks store in St. Louis, one of a fast-growing chain—Architects, Robert L. Ploso and Lincoln Norcott Hall. The effectiveness of this striking front is enhanced by its PermaWite solid white metal framing for the plate. Many chain systems utilize Brasco constructions to their advantage





Section of PermaWite Sash, the brilliant, all-white chromium-lustre solid metal store front construction, that is so much the vogue for the newer shops. This material has remarkable resistance to weather and actually costs less than plated metal

PERMAWITE

EVERY industry has its stylists. Searching ahead for the ideas, forming them into the tools for the architect's plan of tomorrow, these creators become *authority* in their individual spheres of activity.

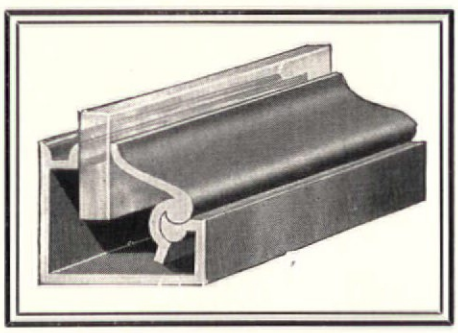
Thus it is that Brasco has won undoubted prestige in the world of store front constructions. Offering not only the latest in metals, style and distinction, but the utmost in adaptability, in strength, in permanence, in safety to the plate, Brasco is recognized by architects, contractors and owners as the fullest possible value to be found today—and as the most *complete* line.

Brasco

in Store Front Design



The modern entrance display of Hartzfeld's Parisian Clothing Company, Kansas City. W. R. Bovard, Architect. The entire setting is of Davis Solid Architectural Bronze, lending richness and dignity as well as permanence. Davis is often used for the country's better business buildings and stores



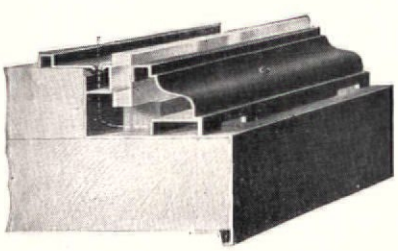
There is no finer store front construction available today at any price than this Davis **Solid** Bronze, of rich, permanent beauty. Glass safety is assured by the patented fulcrum principle and indirect screw pressure. All glass is set from the outside without need for putty or plastic cement

DAVIS
— SOLID —
Architectural BRONZE

Complete data, full-sized details, and actual samples of Brasco Sash and Bars in PermaWite, Copper, Bronze, Art Bronze, and Davis Solid Architectural Bronze all gladly sent to architects, on request.

BRASCO MANUFACTURING CO.

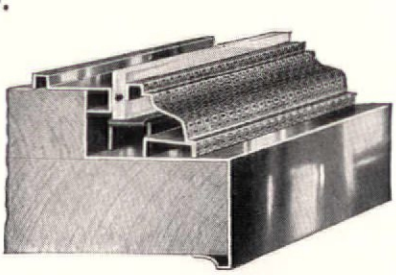
5031 Wabash Avenue, Chicago
28-14 Wilbur Avenue, Long Island City
Commonwealth Building, Philadelphia



COPPER OR BRONZE

Like all Brasco constructions, Series 500 embodies essential time-tested principles of heavy-gauged strength, lasting beauty, extra-wide, safe grip on the plate, ease of installation, adequate ventilation and drainage.

Art Bronze is a striking innovation in store front construction, offering handsome patterned effects deeply wrought in the metal itself—not a mere surface decoration. A distinctive setting for the modern shop.



ART BRONZE

Store Fronts



The Chicago Daily News Building, equipped with Sargent Hardware, Holabird & Root, architects, erected as a symbol of the triumph of modern journalism

When exacting requirements must be met

A SPECTACULAR structure was planned to symbolize a triumph of modern journalism. The Chicago Daily News Building, symmetrical in its massiveness, now facilitates the functioning of one of the greatest news organizations of the country. Above are offices, the last word in efficient arrangement. And below, the Concourse, a wide and lofty public passage, is an architectural treasure of America. Sargent Hardware was selected for this permanent contribution to American architecture. For residence, hotel, apartment house, educational and public buildings, Sargent offers a comprehensive selection of designs. Of solid brass or bronze, this excellent hardware meets the most exacting requirements of architect, engineer and owner. Sargent Hardware will withstand the test of constant use by generations. Sargent & Company, New Haven, Conn.; 94 Centre Street, New York City; 150 North Wacker Drive (at Randolph), Chicago, Illinois.

SARGENT

LOCKS AND HARDWARE

STORE FRONTS

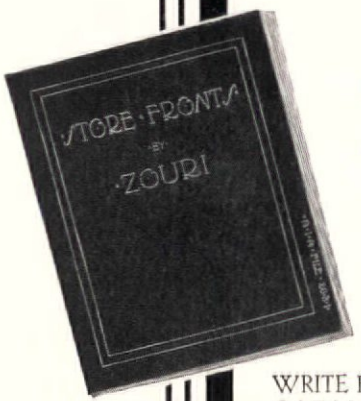
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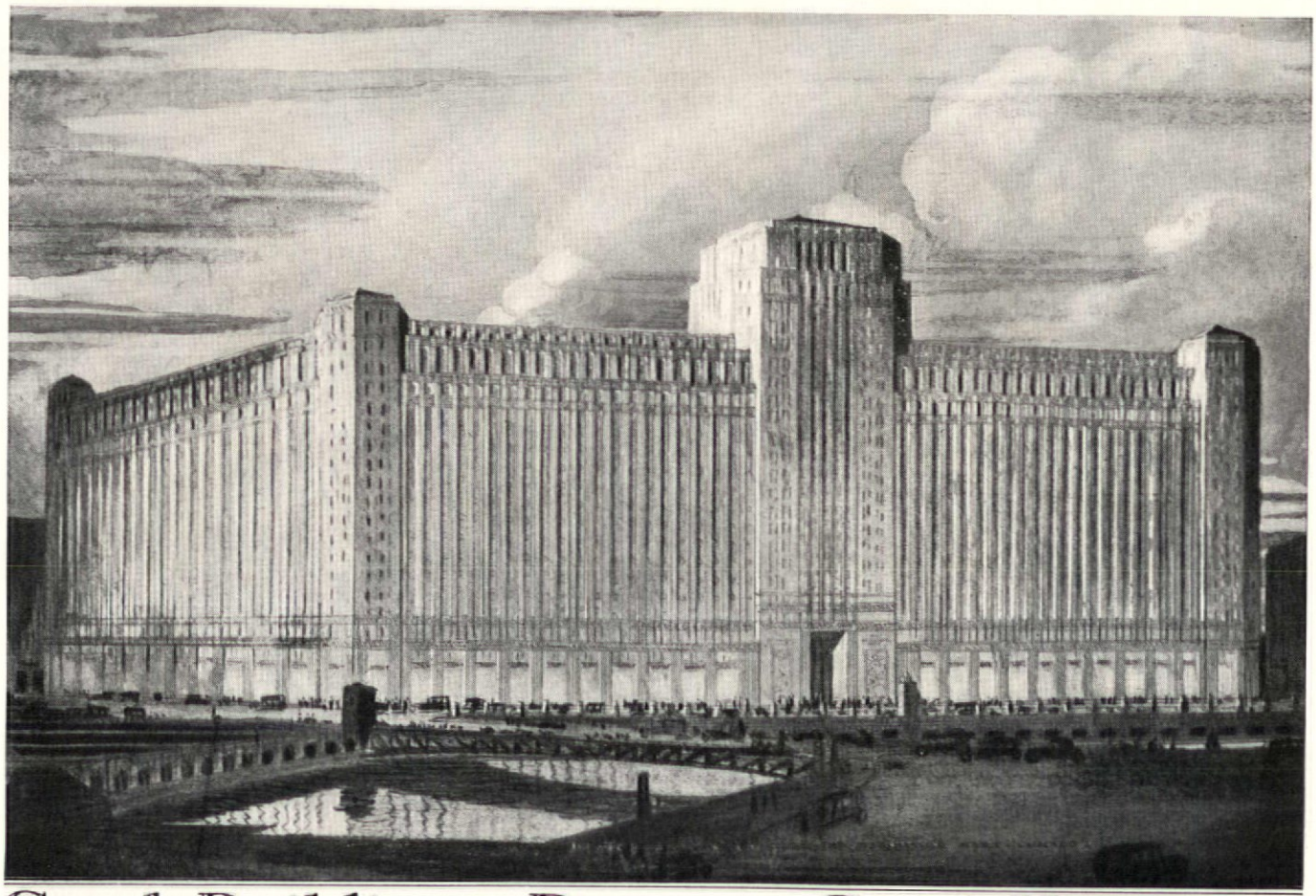
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Locks and men . . .

and the company they keep



Good Buildings Deserve Good Hardware

MEN are known by the company they keep. And locks are known by the buildings they guard. No need to comment on the buildings of today. Their size, height and freshness of design mark a new epoch in architecture. But what about the locks, butts, door-checks in these new buildings? Of course, good buildings deserve good hardware—but what are the architects specifying?

Let's look at a building just completed in Chicago. In all the world there is no other building as large as this new Merchandise Mart. Surely good hardware will have its place here! And it has, for on all of the many, many doors, Corbin locks guard against unwarranted intrusion.

And Good Hardware–Corbin does more than faithfully guard. Doors must open easily and close silently and smoothly. Merchandise Mart doors do, because Corbin Door Checks are in place on every door to do this one thing and do it well. And do it year after year.

Yes, locks and men can be known by the company they keep. Which is one reason you will always see Good Hardware–Corbin on those buildings which are known as *good* buildings.

CORBIN

MERCHANDISE MART
Chicago

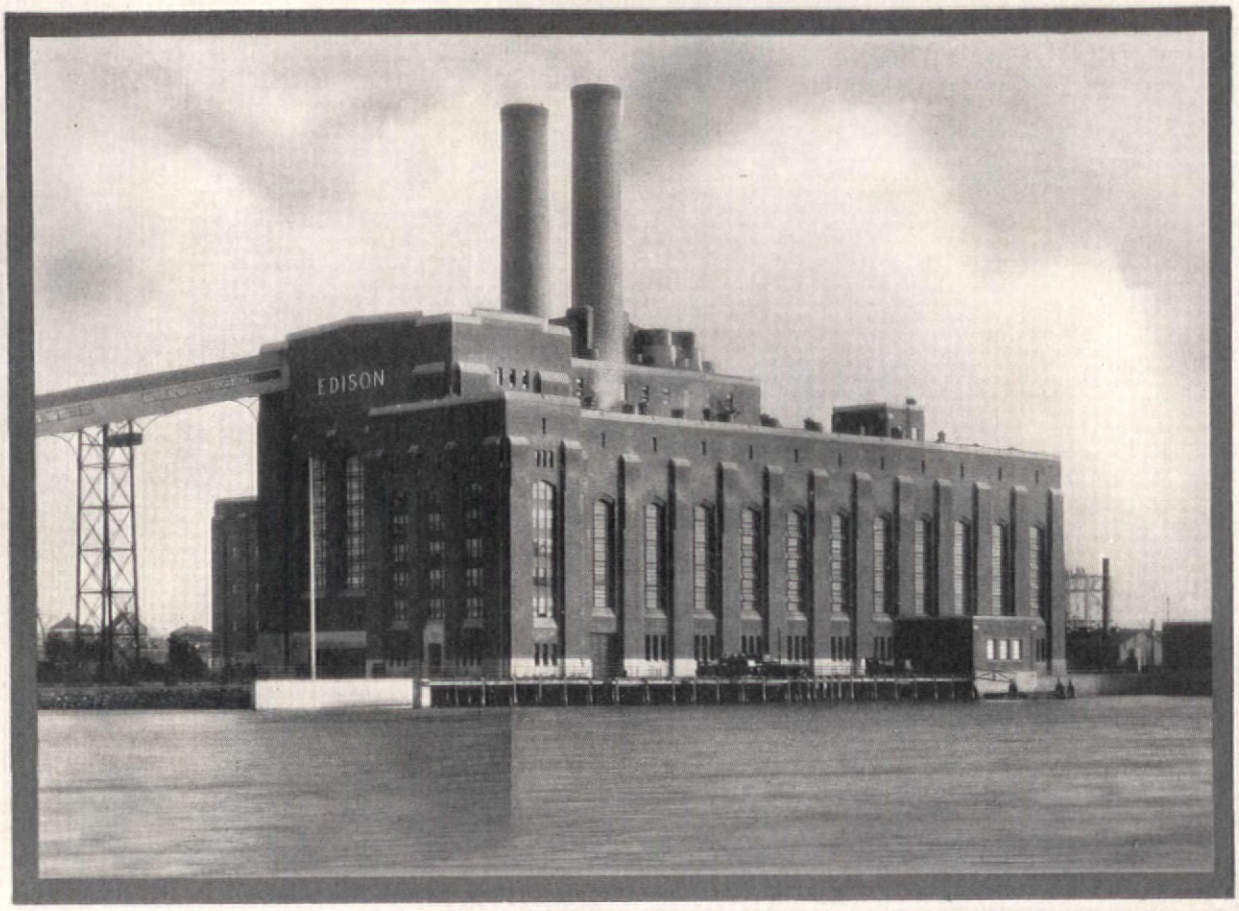
Architects—Graham, Anderson, Probst & White, Chicago

Contractors—John Griffiths & Son Co., Chicago

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The American Hardware Corp., Successor
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The Edgar Station of The Edison Electric Illuminating Company of Boston
PHILIP WADSWORTH, Consulting Architect

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STONE & WEBSTER
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NEW YORK, 120 Broadway
CHICAGO, First National Bank Bldg

SAN FRANCISCO, Holbrook Bldg.
PITTSBURGH, Union Trust Bldg.
PHILADELPHIA, Packard Bldg.



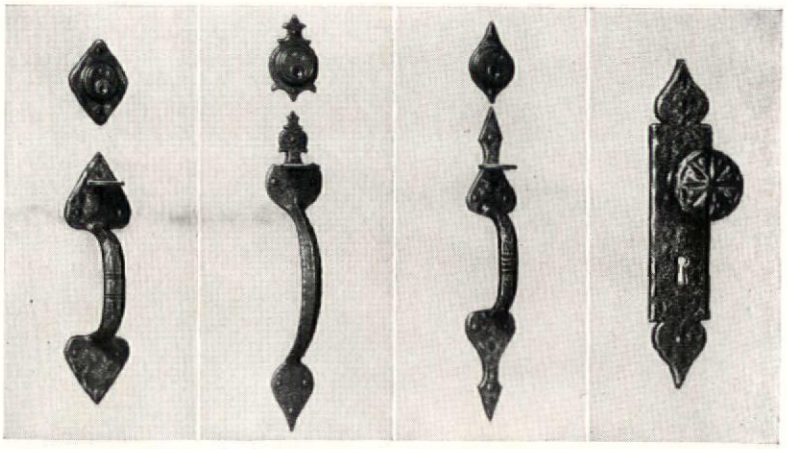
The original from an early American home in East Haddam, Conn.

PENN LOCKS AND FINISHING HARDWARE



PENN

These authentic reproductions of Early American wrought iron hardware (sources of which are given below the illustrations) are made of white bronze, a nickel-copper alloy, in old iron finish and are absolutely rust-proof. This American group is one of a long series of classic and modern pieces by Penn—a name synonymous with fine design in finishing hardware since 1877.



From the home of John Greenleaf Whittier, built in 1760, Haverhill, Mass.

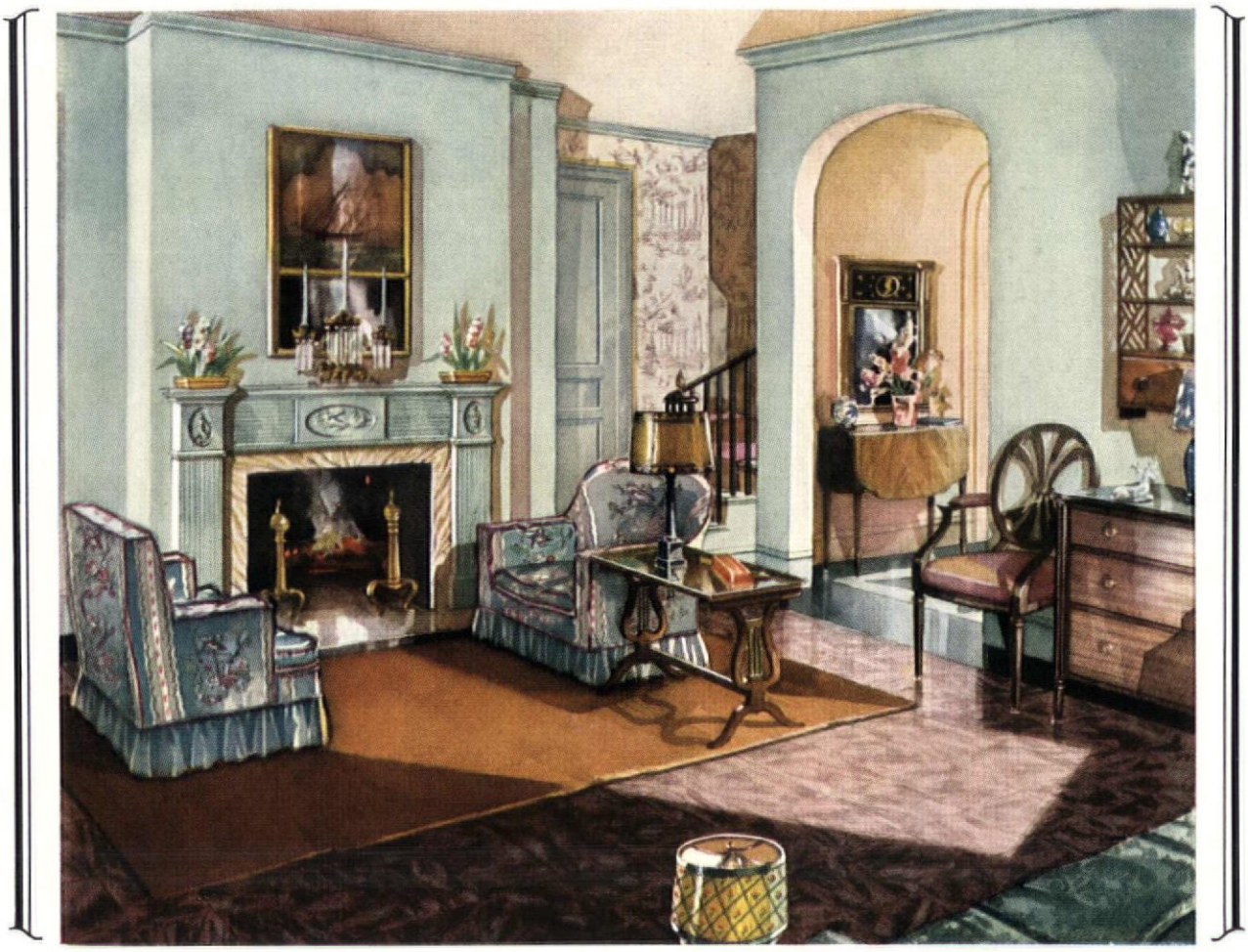
Latch from a pre-revolutionary structure in historic eastern Pennsylvania.

From a house in South Egremont, Mass., which was built in 1761 by J. T. Tullar.

Escutcheon from the Moravian "Community" House, 1742, Bethlehem, Pa.

PENN HARDWARE COMPANY · Reading · Pennsylvania

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AN OLD PERIOD ROOM WITH A MODERN FLOOR—ARMSTRONG'S HANDMADE MARBLE INLAID, NO. 68.

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TODAY'S home builder finds yesterday's architectural effects charming, but has little patience for old-fashioned housekeeping troubles. So the modern architect draws inspiration from the past, and finds an opportunity for originality in creating old effects from new materials.

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There are Handmade Marble Inlaid designs that might have been the work of Old World master tilers, Embossed Tile patterns that breathe the spirit of the Fifteenth Century . . . yet each is reproduced in the most modern of easy-to-care-for, resilient floor material. No matter what type of room you are creating, no matter what its size, location, or purpose, you will find an Armstrong Floor that will fit in with its atmosphere and its color scheme.

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Armstrong's Linoleum Floors

for every room in the house



"Modern floor materials have made possible the reproduction of period effects with the satisfaction of permanent beauty and ease of maintenance."

HARRY C. STARR, *Architect*

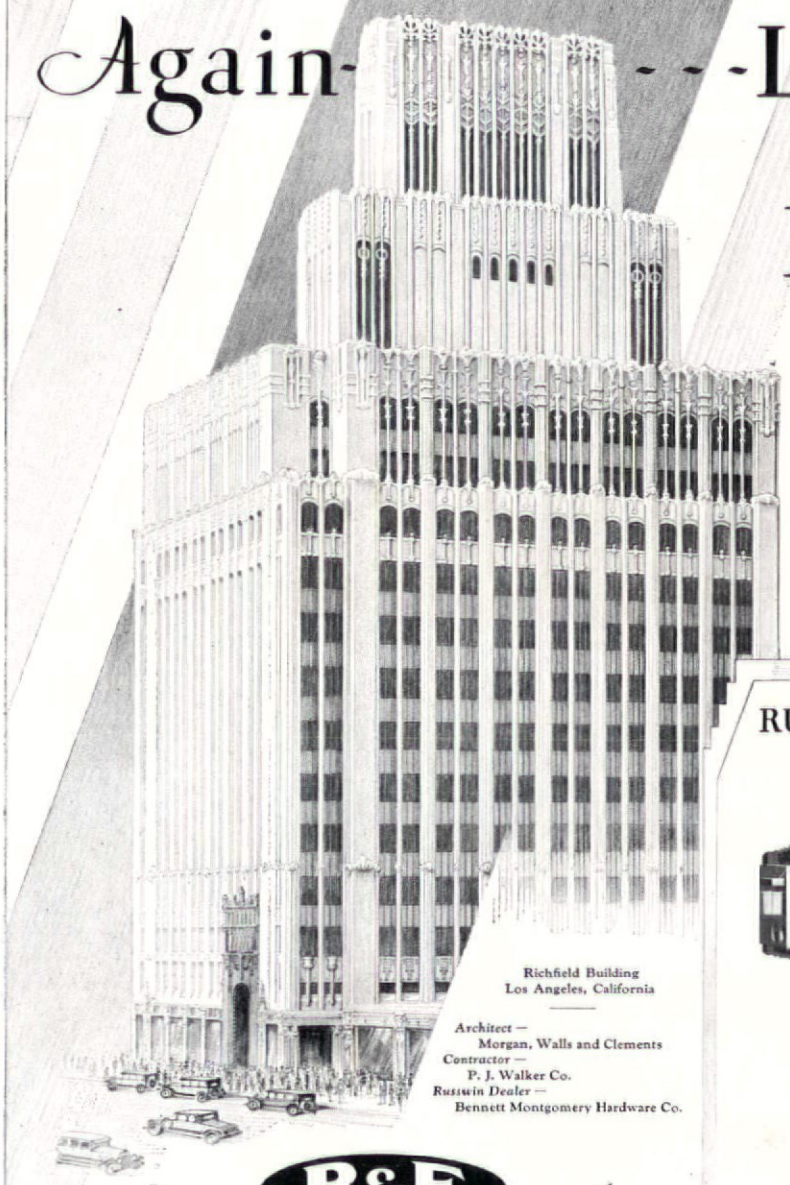
PLAIN · · JASPÉ · · INLAID *and* EMBOSSED · · *also* ARMSTRONG'S LINOTILE AND CORK TILE

Again---Los Angeles comes to RUSSWIN

THE black and gold terra cotta of modernistic design that covers the exterior of the new Richfield Building makes it distinctive among the fine type of buildings erected in recent years in Los Angeles.

Its architecture of the set-back type, expressing beauty, grace and solidity, lends itself particularly to the new modernistic hardware expressed in the RUSSWIN Pyramid Design.

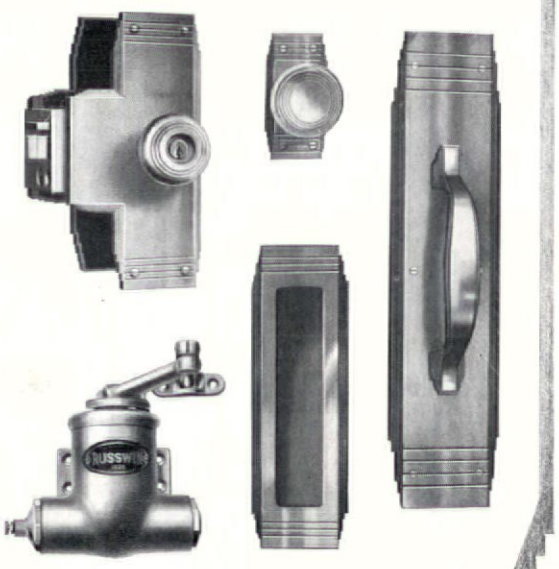
The choice of RUSSWIN Hardware insures exclusiveness of design, rugged dependability, and a lifetime of unfailing trouble-free service.



Richfield Building
Los Angeles, California

Architect —
Morgan, Walls and Clements
Contractor —
P. J. Walker Co.
Russwin Dealer —
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RUSSWIN PYRAMID DESIGN



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DISTINCTIVE HARDWARE

Hardware that lasts ~ Base Metals of Bronze or Brass

for the Bungalow · · · the Pretentious Home · · the Monumental Structure · ·

See pages 2519-2598 for a catalogue of Russwin Hardware



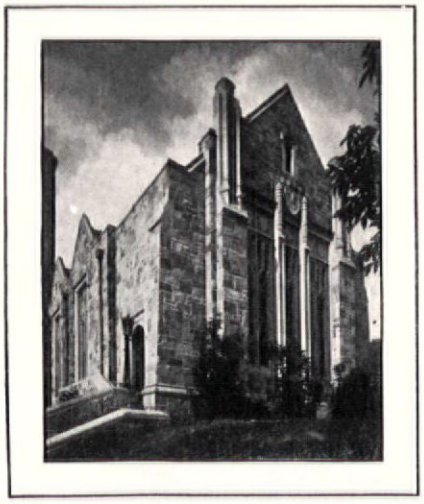
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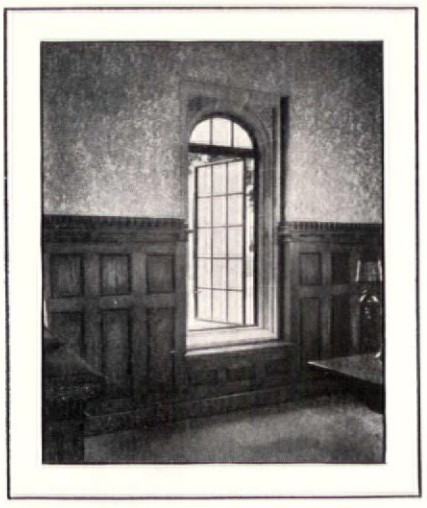


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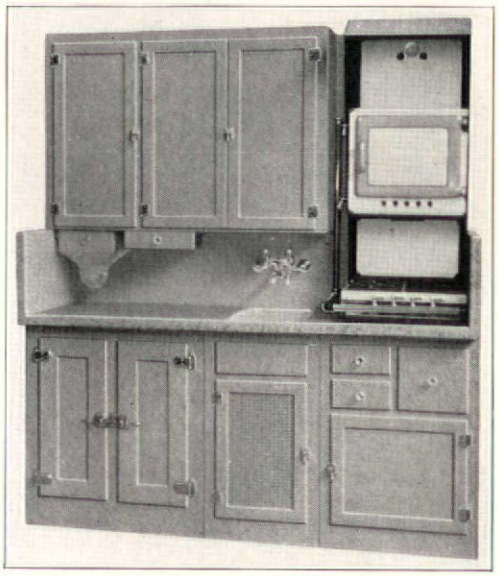


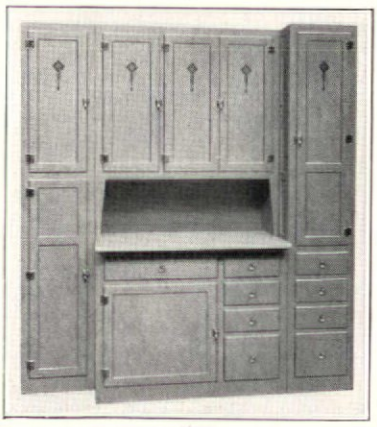
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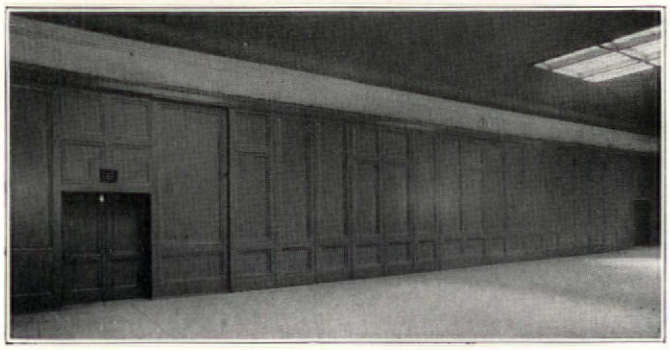
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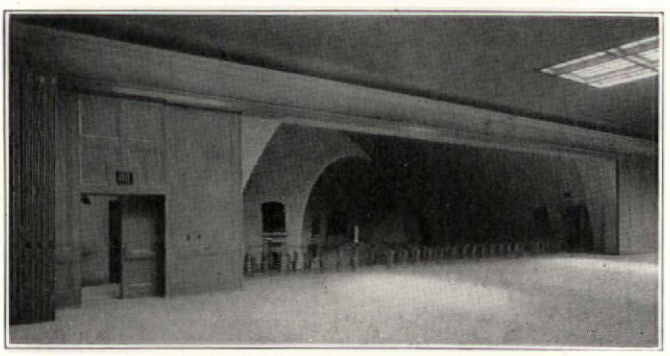
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WROUGHT IRON IN ARCHITECTURE

A REVIEW BY

MAXWELL RUTHERFURD

ALTHOUGH the present trend in architectural design and building has afforded an unprecedented increase in the number of new and improved materials, and although new methods and machinery have been introduced for using the older building materials advantageously, there has been a very marked tendency on the part of designers and craftsmen toward cheap imitation of one material by the use of another, both of which have definite inherent characteristics of beauty. The unfortunate part of such imitations is that in the attempt to make one material look like another it neither attains the beauty of the imitated material nor retains that which is naturally inherent in itself. Cement, terra cotta, or plaster may be and are very beautiful when used in such a way as to take full advantage of their plastic properties, but when in their use an attempt is made to simulate natural stone, the imitation is almost always so obvious and the result so forced and unnatural that from a standpoint of beauty the material has been wasted.

This practice of imitation and simulation has resulted, of course, in most cases, from an attempt on the part of the architect to produce an effect of extreme richness without the expenditure of the necessary amount of money. Clients are almost always anxious to achieve a rich and prosperous effect, but at the same time they demand that the cost be kept within strict limits, and the poor architect is driven to all sorts of expedients and subterfuges in the attempt to satisfy unreasonable demands. On the other hand, there are many instances where the imitation results from a surprising lack of knowledge on the part of the architect himself or of his designers and draftsmen as to the natural characteristics of a material or the way in which it should be used. Designs which are not based on a fair knowledge of the way in which a thing is to be made seldom attain real beauty, and they are likely to be extremely difficult and costly to make. Wrought iron is especially susceptible to this sort of treatment, since a great many people do not

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IT is not necessary to point out to architects and architectural students the merits of this widely known work on the history of architecture. For several decades it has been read and studied or used as a work of reference because of its being authoritative, concise and well documented with references and bibliographies.

But it is sometimes possible to improve even a well known and standard work, and the History of Architecture, now appearing in its Eighth Edition, has been revised and enlarged, and considerable new matter has been added. The Eighth Edition possesses every valuable characteristic of the earlier editions, and it includes, besides, the results of recent travel and research to increase its value.

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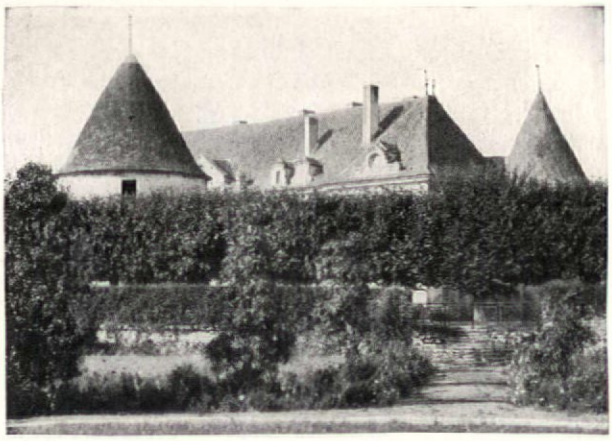
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This excellent and authoritative work should be in the library of every architect whose practice includes work of any kind of residence character. It brings to the attention of American architects a type which is fresh and new without being freakish. It includes 254 illustrations from original photographs showing subjects complete as well as in great detail, together with many measured drawings and perspective plot plans. Flat Quarto (7½ x 11 ins.), bound in handsome library blue buckram, stamped in gold, uncut edges with gilt tops.

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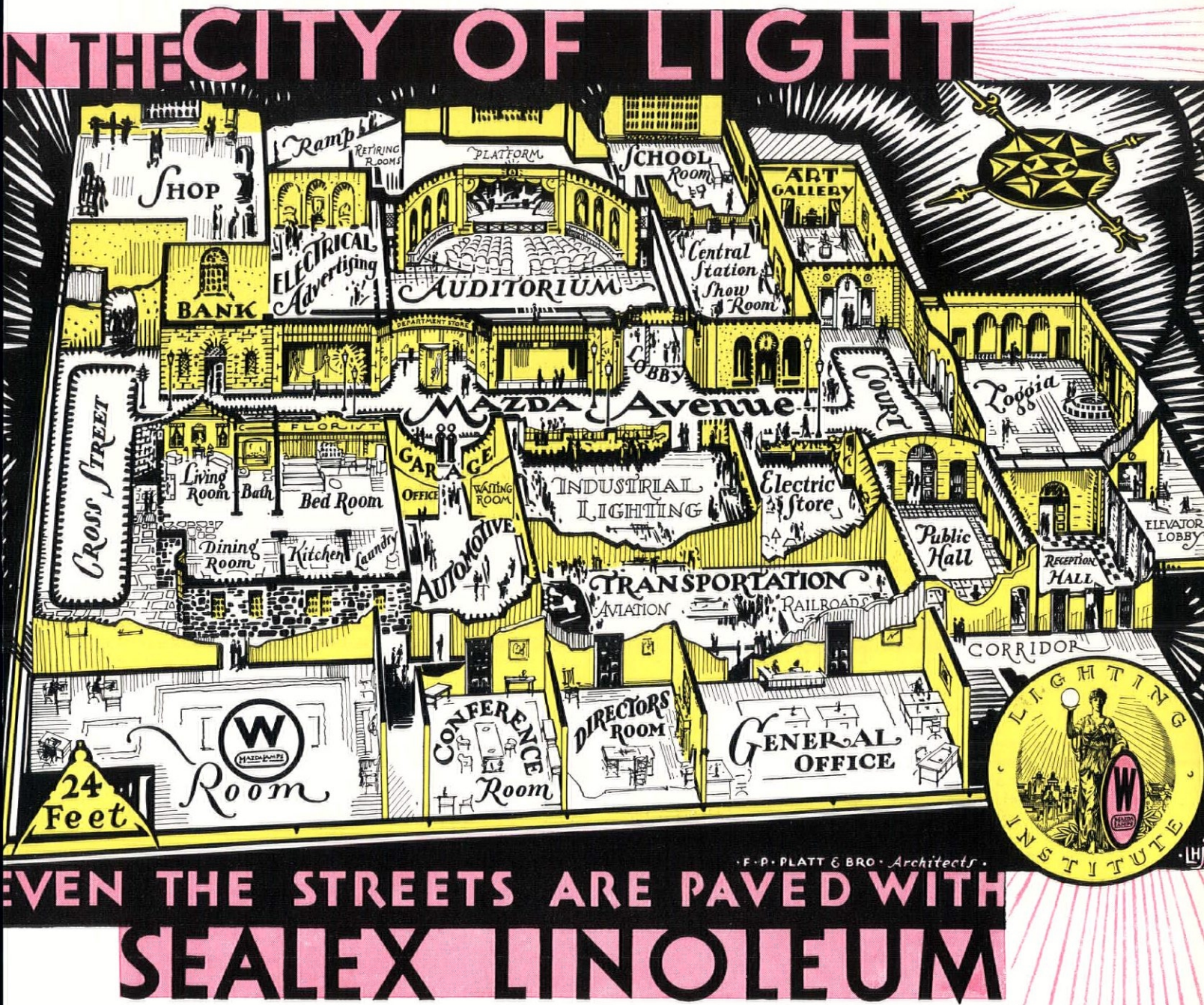
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properly appreciate the difference between wrought and cast iron or the peculiar qualities of form and texture that give wrought iron its rugged beauty. A draftsman will often prepare drawings for such a thing as a handrail having twisted bars for balusters and a delicately moulded rail, the balusters being as difficult to cast as is the rail to execute in wrought iron, and the whole will be labeled "wrought iron" and sent to the craftsman who, no matter how clever he may be, will not be able to do justice to himself or to his material. For a good understanding of wrought iron there is no substitute for a visit or a series of visits to a forge, and it would be even more helpful if the designer were able to actually take part in the working of the iron himself. In this way he would learn all the limitations and possibilities latent in the material and how to provide for properly using them in his designs. Familiarity with technical process is useful.

Wrought iron at the present time is experiencing a great deal of popularity. Many people are beginning to realize the great beauty and decorative possibilities of this material, which was so universally used in early times but which for many decades has, in a general way, fallen into disuse due to the greater economic advantages of cast iron. The recent era of prosperity and the undoubted rejuvenescence of good taste have created a demand for work in this medium which offers great opportunities to the architect who is equipped to make the best use of the material.

Wrought iron, being so completely the result of hand craftsmanship, the workers themselves must have great enthusiasm for their work and a considerable amount of artistic taste, so it is always well to select a good craftsman and entrust much of the detail to his good taste, since he knows the best way in which a design may be executed in iron much better than the majority of architects. Not only must he control the shapes and sizes of the different pieces and parts, but as a great deal of the beauty of wrought iron depends on the texture, he must use a good deal of common sense and good taste in working up the finished surface. Since the raw material of the forge is now usually purchased by the smiths in a great variety of regularly shaped stock bars, it is the custom of many smiths to produce the hand-hammered texture demanded by a great part of the public by beating the metal and deliberately disfiguring the surface. This method is not considered good practice unless the entire surface is covered, it being more desirable to start with a bar larger than the size desired and draw it down to the required size. In this way the natural wrought iron texture is attained, and the surface is made harder and more rust-resistant, it being an established fact that the more iron is worked under the hammer the more rust-resistant it becomes. It is always to the interest of the architect to select a highly skilled, artistic, conscientious craftsman to execute his designs, but often this is impossible due to the methods of open competition, and in such cases it is even more important that the architect have a good knowledge of smith work and be able to closely supervise the work of fabricating the iron. It is not absolutely necessary for the designer to know the name of every tool, but it is very desirable that he understand the use and function of the more important implements.

Another result of the lack of understanding on the part of those who design wrought iron is the unnecessarily high cost of ironwork, the design of which is more



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THIS is a map of the City of Light—a model city with streets you can walk on and stores you can enter—all built on a single floor of a New York skyscraper. F. P. Platt & Bro., the architects who planned this unique city for the Westinghouse Lamp Company, have made it a comprehensive exposition of correct lighting practice in all types of buildings.

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The Westinghouse Lamp Company extends through us a cordial invitation to all architects to visit the City of Light. It is on the 7th floor of the Grand Central Palace, 46th Street and Lexington Avenue. Seeing this group of beautifully executed interiors, complete in every detail, is an experience which should be particularly stimulating to architects. The following pages will give you some idea of what is in store for you.

See following pages

SEALEX LINOLEUM



LOGGIA

This floor of Sealex Embossed Linoleum ("Evergreen" pattern) has all the pleasing shadings and texture of hand-laid tiles, plus the advantages of quiet resilience and economy. As a matter of fact, the ceramic tiles in the fountain blend perfectly with the tiles of the linoleum floor.



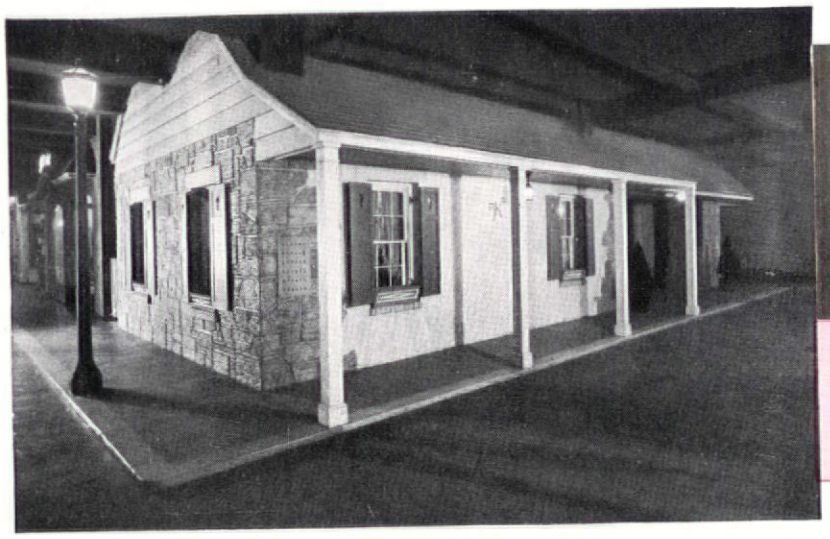
PUBLIC HALL

The handsome black and white floor of Sealex Marble-ized Treadlite Tile is the principal decorative unit in this rich-looking yet restrained interior. Floors of this type are not laid from rolls but are constructed tile by tile. Thus the design may take any form that the architect dictates.

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IN THE CITY OF LIGHT



STREET SCENE

The effect of a flagstone walk, around this completely appointed bungalow is produced with a laid-to-order floor of gray Sealex Jaspé Linoleum.

SEALEX Linoleums and Sealex Treadlite Tiles constitute a medium which permits the architect to give free rein to his creative imagination. Practically any floor design that he conceives can be worked out in these "responsive" materials.

With this thought in mind, let us examine a few of the Sealex floors in the City of Light:—

In the loggia (illustrated at top of opposite page) the architects put a touch of their own individuality into an "all-over" pattern of Sealex Embossed Linoleum by inserting broad lines of gray Sealex Jaspé Linoleum. Two of these Jaspé strips may be seen in the picture, immediately in front of the fountain.

The main reception hall (not illustrated) is decorated in the ultra-modern manner. In the floor, a very interesting effect has been obtained simply by enlarging the scale of the design. Each Sealex Treadlite Tile in the checkerboard pattern measures 28 by 28 inches. These "over-size" units harmonize perfectly with the unusual modern furnishings and lighting fixtures.

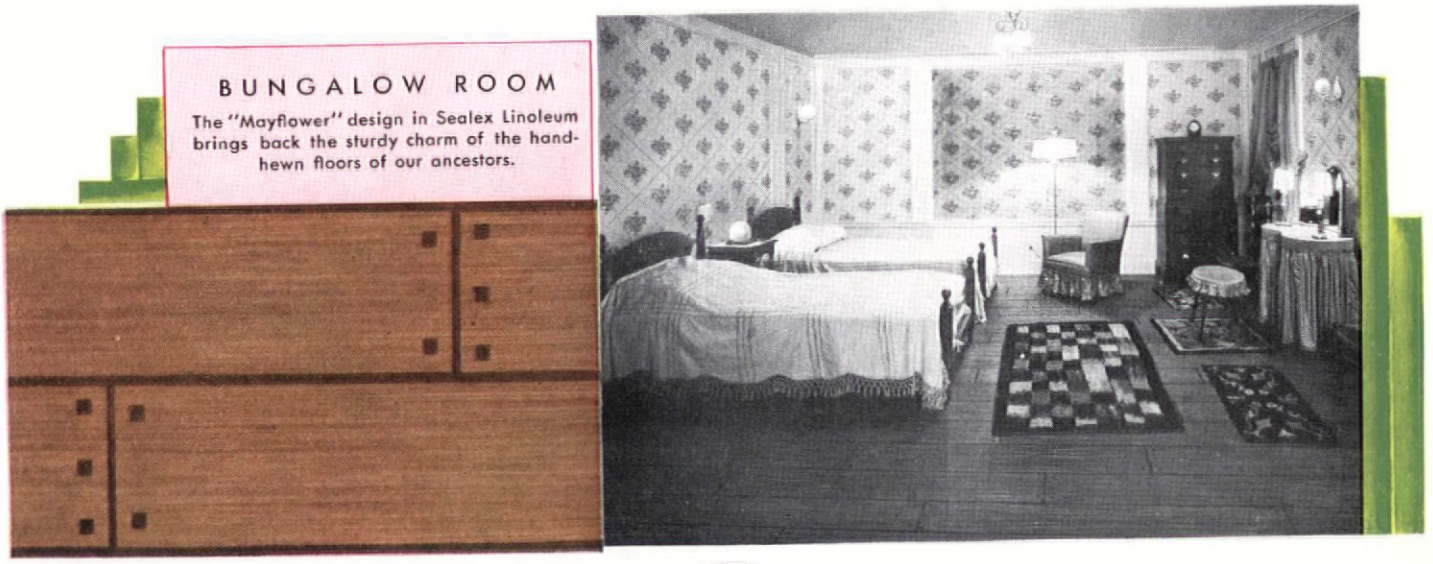
The public hall (illustrated on opposite page) shows Sealex Treadlite Tiles playing a dominant role in a more formal interior. Note the cut-to-order diamonds and circles.

Practically all the floors in the City of Light, no matter how radically they differ in appearance—whether laid from rolls or tile by tile—are Sealex floors. They were all installed by one flooring contractor. They are all kept clean and in good condition by the same simple and inexpensive methods.

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See preceeding pages

suited to cast than to wrought work. Many architects seem to expect a "smith to achieve in iron what a carpenter could attain in wood, a sculptor in stone, or a foundry in cast bronze,"—and at an equally low price. As in other branches of design, the pattern of wrought iron to be successful must be structural. The ironwork must be designed to serve a purpose, and the decorative members be so distributed and formed as to best serve the structural function of the article being designed. The practice of placing bits of so-called decorative ironwork on the facade of a building merely to relieve the blankness of a space should be generally condemned, and such unnecessary expedients as use of balcony rails set a bare 6 inches from a blank wall are one of the abominations of modern architecture. The work of early wrought iron workers owes much of its beauty to the facts that the blacksmiths were also the designers and that they worked with a very definite idea of making a useful object in the simplest and most direct manner. Wrought iron is essentially made up of a series of square, rounded or twisted bars with flat hammered plates, and any attempt to introduce other forms in a wrought iron design leads to unnatural and unsatisfactory appearance as well as to almost prohibitory expense.

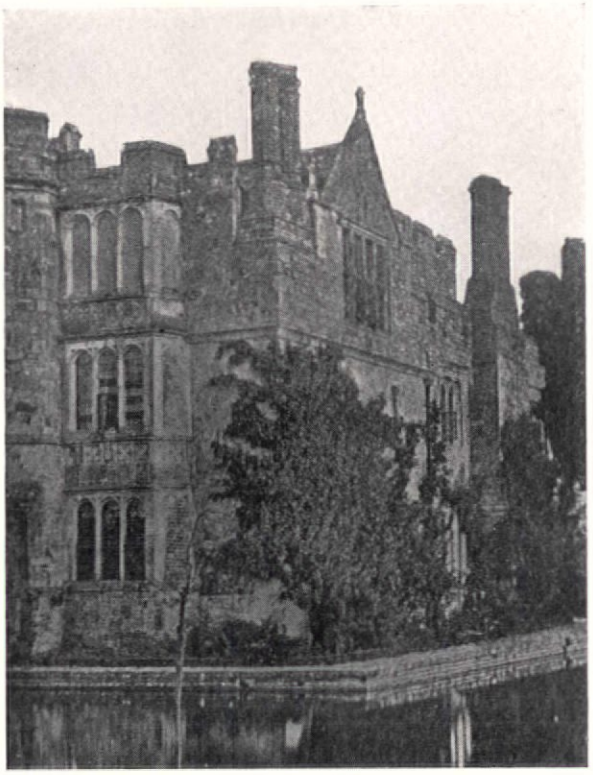
As in other branches of art, wrought ironwork has taken certain definite forms and characteristics according to the various countries and periods in which it has been made, ranging from the severely simple cottage fixtures of England, France and the American colonies to the richly florid Baroque of the late Spanish and Italian Renaissance. Examples of all sorts may be found in the great cities of Europe, and it is unfortunate that the usual architectural traveler is too much preoccupied with his study of the more impressive features of the well known buildings to give proper study to the choice bits of ironwork to be found in the humbler dwellings.

Exhaustive treatises and collections of illustrations and drawings have been published on the subject in every land, but it has remained for Gerald K. Geerlings to compile the first really exhaustive work covering all countries and periods in a general way from the purely architectural point of view. In his volume "Wrought Iron in Architecture" he brings out very forcefully the realization that we are guilty of many shortcomings in our attempts to introduce wrought iron into modern American architecture, and he describes the processes, implements and materials of wrought iron working in such a way as to give the architect a good working knowledge of the subject and to enable him to approach the task of designing wrought iron in a really intelligent and efficient manner. The information gained from this book, supplemented by visits to the forges of good craftsmen, should lead to a great improvement in the quality of ironwork and show the way to designing it in such a manner that the cost will not be prohibitive, as has formerly frequently been the case. The description of wrought iron craftsmanship is especially valuable and interesting, as it brings out many facts which the author feels the designer should know in regard to the actual forging of ironwork, such as the properties of wrought iron and the best kind of raw iron to specify, the texture (legitimate and otherwise), and a fairly complete description of the wide variety of tools with which the smith is accustomed to do his work, and some description of the way in which each is used. The section on "Archi-

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tectural Design, Motifs and Ornamentation" will naturally be of great interest to the architectural reader, since it points out the design motifs best suited to ironwork and the forms which bring out its most important characteristics as well as giving some valuable pointers on some shapes that give an appearance of being very rich and costly while actually they are quite simple of manufacture and might be much more frequently used.

A few small marginal pen sketches illustrate some very useful tricks and forms to be employed in the making of wrought iron. The historical sketches which precede the illustrations of wrought iron of the various countries will be very useful in putting the designer in the proper frame of mind to approach the task of making designs from precedents afforded by the illustrations, which will in the fullest measure express the characteristics of the style and period in which the design is to be placed. Italian art of all kinds is among the finest in the world, and it is no more than is to be expected that the wrought iron of Italy presents splendid examples of the blacksmith's art. The cathedrals and chapels are especially rich in iron railings and grilles, and these together with balcony rails, standard holders and iron-studded doors furnish the subject for a wealth of photographic and measured drawing precedent. The wrought iron of Spain in many ways excels that of any other country, and it is perhaps true that Spanish architecture has depended more on wrought iron for its effect of richness than has that of any other country. The majority of Spanish wrought iron designs are so rich in decoration and detail and are so intricately wrought as to put them well nigh out of the realm of possibility for the modern architect to hope to employ them in his buildings, and yet for those who have the vision resulting from a true knowledge of craftsmanship, they offer great opportunity for restrained and beautiful adaptations in a more economical manner to suit modern needs.

The drawings and the illustrations of rich Spanish decoration in iron shown in the present volume, while in many cases rather bewildering in their mass of detail, will suggest to the discerning student of wrought iron many new possibilities in its simple manifestation.

According to many eminent authorities, the ironwork of France has been more uniformly good than that of any other country, and the work of the French craftsmen has had a strong influence on that of iron workers of all other countries. The ironwork of the English, German and Flemish smiths is also well illustrated and described, as is likewise that of America, the latter being divided into two sections, the first section treating wrought iron of the early period up to the twentieth century. The beautiful railings, grilles and balconies of such American cities as Philadelphia, Charleston and New Orleans are here shown in profusion, both by illustrations from good photographs and clearly presented measured details. The second section, on twentieth century wrought iron, is especially interesting, since it shows up-to-date tendencies as portrayed in the work of such master craftsmen as Samuel Yellin, Edgar Brandt and the Iron Craftsmen. Some space is devoted to special fixtures, and the final chapter deals with specifications.

WROUGHT IRON IN ARCHITECTURE. By Gerald K. Geerlings. 200 pp., 14 x 16 ins. Price $7.50. Charles Scribner's Sons, 597 Fifth Avenue, New York.

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Architect ARTHUR W. COOTE



Residence of Architect Arthur W. Coote, Russell Gardens, Great Neck, L. I.

CHOSE FENESTRA CASEMENTS *—for his own home in Long Island*

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Fenestra

CASEMENT WINDOWS OF STEEL

THE EDITOR'S FORUM

A PERSONAL MEMORY
HENRY FORBES BIGELOW, ARCHITECT

AT Beverly Farms, Mass., on August 12, 1929, Henry Forbes Bigelow ceased to be the center of a happy family life and passed from the circle of his friends. The first days with their somber sense of loss have passed, but fond memory will not pass while memory lives.

To one who knew him at work and at play, in wearied and in merriest moods, in the companionship of travel at home and abroad, there comes a desire to express a thought on his unpretending excellence. In recalling his varied activities, in his professional work, in public service and in his personal relationships, one is reminded of Newman's reflections on the attributes of a gentleman: "He is mainly occupied in merely removing the obstacles which hinder the free and unembarrassed action of those about him; . . . . he makes light of favors while he does them, and seems to be receiving when he is conferring. . . . He is never mean or little in his disputes, never takes unfair advantage, never mistakes personalities or sharp sayings for arguments, or insinuates evil which he dare not say out. He is patient, forbearing, and resigned on philosophical principles; he submits to pain, because it is inevitable, to bereavement, because it is irreparable, and to death, because it is his destiny."

"Harry" Bigelow was all of this. In the face of difficulties a valiant spirit furthered fine achievement, but trusted friends saw in him a personal modesty consistent with the youthfulness of his spirit. Of fine praise devoted to himself, we can hear him say, "Come now, nothing like that about me." It was this trait of mind in a person of rare ability that helped to make him rarer still. He left behind him good works and a heritage of affectionate memory.—Boston, September 20, 1929.

FRANK GOODWILLIE

WE regret to announce the death of Frank Goodwillie, A. I. A., on Monday, October 7, 1929, at Montclair, N. J. Mr. Goodwillie, who was a member of the New York Chapter of the A. I. A., and of the Architectural League of New York, had been in practice many years. Prior to 1922 he was in partnership with Frank E. Wallis, but since then and up to the time of his death he has been in partnership with William Edgar Moran. Mr. Goodwillie designed and planned many important structures, including the Manice Building in New York, the Globe Indemnity Co. Building in Newark, the Nela Park plant of the General Electric Co. in Cleveland, and numerous residences. During the World War he served under the Housing Bureau in charge of contracts; since then he has devoted much time to committee work in the American Institute of Architects.

A SERIES OF ONE-FIRM EXHIBITIONS

THE Exhibition Committee of the Architectural League of New York has decided to hold during the coming season a series of one-firm and one-man exhibitions at the Architectural League House, 115 East 40th Street, New York. The first of these exhibitions will include photographs and drawings of recent work of the well known Chicago architects, Holabird & Root. This exhibition will open on November 14 and continue through December 12. The names of the men or firms whose work will later be exhibited will be announced as soon as arrangements have been completed. The holding of this series of exhibitions marks a new departure in the policy of the Architectural League. Heretofore exhibitions of architecture and the allied arts have been confined to their annual shows which have been held either at the Grand Central Palace or at the galleries of the National Academy on West 57th Street. As in these large exhibitions it is possible to show only a few examples of the work of the architects or firms exhibiting, in many cases much splendid material is left out on account of lack of space. It therefore seems advisable to the Exhibition Committee to hold each season a series of exhibitions in the gallery at the League House, in which the recent work of one man or of one firm can be displayed more fully and completely than is ever possible at the annual exhibitions. Besides the work of prominent architects, the sculpture and the mural painting done by leaders in these fields of art will also be shown from time to time.

CONFERENCE ON CHURCH DESIGN

ON December 6 and 7, at the Statler Hotel, St. Louis, there will be held a conference on church architecture. The winners of the Christian Herald Second Annual Church Architectural Contest will be announced, and the Christian Herald exhibits for both 1928 and 1929 will be displayed. Some of the church bureaus will have displays of church architecture, and there will be manufacturers' displays. Among other subjects, will be treated and discussed: The modern church plan and design. Building for religious education. How far precedent should influence modern church design. How may the public be educated to demand better church architecture? How may architects promote a demand for better architecture on the part of local church building committees, etc.? The requirements for building for worship in American churches. Opportunity will be given for visiting the buildings of the Concordia Seminary and others.

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THE
ARCHITECTURAL FORUM

VOLUME LI — NOVEMBER 1929

CONTENTS

PART ONE—ARCHITECTURAL DESIGN

Cover Design: Metal Window Grille, Hartford County Building, Hartford.
From a Photograph by Sigurd Fischer

The Editor's Forum — Page 37

The Alhambra, Granada — *Frontispiece*
From a Water Color by Carroll Bill

PLATE ILLUSTRATIONS	Architect	Plate
Hartford County Building, Hartford	*Paul P. Cret and Smith & Bassette*	97-112
Y. M. C. A. Building, Hackensack, N. J.	*Louis E. Jallade*	113-116
Alterations to House of Frank L. Bateman, Esq., Barrington, Ill.	*Huszagh & Hill*	117-119
House of Ralph D. Huszagh, Esq., Winnetka, Ill.	*Huszagh & Hill*	120
House of J. Manley Clark, Esq., Freeport, Ill.	*Huszagh & Hill*	121
Church of St. Thomas the Apostle, Chicago	*Barry Byrne*	122-124
Some Recent Buildings in Holland		125-128

LETTERPRESS	Author	Page
A Spanish Holiday—I	*Carroll Bill*	433
The Spirit of Modern Art	*Raymond M. Hood*	445
The Barcelona Exposition	*William Francklyn Paris*	481
Prieure de Pontloup, Moret-sur-Loing	*Milton D. Lowenstein*	529
And Now—A "Modern" House	*R. W. Sexton*	537
The Wye House Orangerie	*J. Donnell Tilghman*	541
Two Rooms at Southampton, N. Y.		543

PART TWO—ARCHITECTURAL ENGINEERING AND BUSINESS

Building the Tower — *From a Drawing by Tabu* — *Frontispiece*

LETTERPRESS	Author	Page
Acoustics of Picture Theaters	*Clifford M. Swan*	545
The Orchestra Shell of the Hollywood Bowl	*Arthur T. North*	551
Chilled Air Distribution in Theaters	*William Goodman*	553
Artificial Marble and Scagliola	*Clifford Wayne Spencer*	537
Electrical Wiring of Office Buildings, II	*Nelson C. Ross*	565
The Arrangement of Specifications	*Ernest O. Brostrom*	573
The Supervision of Construction Operations	*Wilfred W. Beach*	575
The Building Situation		582

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SMITH & MAY } *Architects*

Wm. MARTIEN & CO., Inc.
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The posts telescope: *Note how Telesco can be adjusted to various ceiling heights. This carpenter is raising the telescoping posts and securing them to ceiling strip.*



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SUPPLEMENT TO THE ARCHITECTURAL FORUM
NOVEMBER, 1929

SPECIAL NEWS BULLETIN

STOCK MARKET BREAK WILL HELP BUILDING INDUSTRY, LEADERS REPORT

In order to interpret quickly the effect, if any, of the stock market break on the building industry, telegrams were sent Wednesday, October 30, to more than 200 representative manufacturers throughout the country asking for an expression of opinion. We print below as many replies as could be included before mailing the November issue of The Architectural Forum. The opinion is widely held that through curbing speculative activity, money will be available for carrying out building operations on a large scale.

American Gas Ass'n.

In our opinion recent events on the stock market will result in lower cost of money, thereby making possible greater building activity heretofore deferred because of high cost of financing. Business conditions unquestionably fundamentally sound.

ALEXANDER FORWARD,
Managing Director.

Andersen Lumber Co.

Recent investigations that are personally made on extended trip indicates to me that low points of residential building have been passed. However, home buyers will be more discriminating than formerly and demand quality materials and workmanship more than ever before.

FRED C. ANDERSEN.

York Heating & Ventilating Corp.

Absolute soundness of basic conditions makes me feel release of money held in market by previous high call loan rates will allow buildings requiring mortgage money to proceed, and business should be as good or better than in the past two years.

THORNTON LEWIS, *President.*
Also *President* American Society of Heating and Ventilating Engineers.

Albert Pick-Barth Co.

Business on entirely too substantial a basis to be hurt. The lessening of demand for funds used for stock market purposes and the availability of money for business operations will certainly be helpful. Our program, calling for new branches and expansion as well as sizable increase in advertising appropriations, will proceed as heretofore planned. Stock market reaction healthy. Hope for quiet market with sensible recovery, so as not to again induce speculation. Too many salaried individuals endeavored to make their fortunes gambling, instead of old-fashioned effort through business pursuits. Re-establishing the principle of slow, steady, solid growth is one of the gainful effects. Certainly see no reason for pessimism.

RICHARD RATNER, *President.*

American District Steam Co.

From our viewpoint business was never on a more sound basis or country's credit facilities more stable. Our business exceeding expectations for this season of the year and future outlook never was brighter. The country has gone speculation mad. I believe present nervousness of minority purely psychological and that the stock market depression will soon be forgotten.

ROBERT HALL, *President.*

Trimpak Corp.

Replying your wire, last few weeks placements indicate retail stocks are so extremely low that the least volume of residential construction enforces buying. Recession in building construction last few months has decidedly improved antiquated methods of merchandising homes. If stock market drop releases money for mortgages to support this improved selling, we will expect marked improvement in business for manufacturers supplying residential construction.

HARRY J. STRONG, *Secretary.*

Creodipt Co., Inc.

Business is fundamentally sound and the stock market reaction will surely release funds for home construction. There is as much money in the country today as there was before the stock market slump, and we are sure many who have hesitated to invest their money in a home now realize money put into real estate can not be swept away over night. We are confident the building industry will receive great impetus as result of the leveling of stock market prices. Building material costs today are as low or lower than they have been for many years, and many will take advantage of present situation because stock market speculation certainly has become unattractive.

H. E. GOSCH, *President.*

Pratt and Lambert

In our opinion business conditions in the paint and varnish industry are very satisfactory. We anticipate good buying for balance of year. Dealers' stocks are small, with good turnover for spring. Business is splendid. Believe present readjustment of security prices will have beneficial effect on the building industry.

A. D. GRAVES, *President.*

Ric-wiL Co.

Our business indicates building industry going right ahead regardless stock market situation. We believe building industry is benefited by this readjustment of values which was inevitable and necessary.

C. GOTTWALD, *President.*

Richmond Radiator Company

The building and allied industries should be benefited more than hurt by the forced Wall Street liquidation of the past few days. Capital should soon be available for legitimate business, particularly for residential building.

W. G. LANGFORD, *President.*

James P. Marsh and Co.

Our sales and prospects booked will make the last quarter of 1929 the largest in the history of James P. Marsh & Company. Regard the readjustment of the stock market as stabilizing and releasing of funds for investment, with added impetus to building industry in all lines.

ORVILLE W. THOMPSON.

Peerless Unit Ventilation Co.

From our viewpoint as manufacturers of heating and ventilating equipment, we can see absolutely no reason for alarm because of the present stock market situation, which we believe is purely temporary. We are confident that our industries will not be affected in the least and are proceeding with our preparations for increased production and sales for 1930.

M. J. CALLAHAN, *President.*

Illinois Engineering Co.

Replying to your wire we believe the collapse of the stock market definitely ends the speculative wave which has engulfed the country and will prove a distinct benefit to the building industry, by returning funds from stock and call money operations to legitimate building projects.

ROBERT L. GIFFORD, *President.*

Skinner Bros. Mfg. Co., Inc.

See no reason for any worry. Business conditions better than last three years.

Whitlock Coil Pipe Co.

We have confidence in the stability of business and continued prosperity of the country. Recent developments have not shaken our belief in the fundamental soundness of the country's industries.

J. L. GOODWIN, *President.*

Watts Regulator Company

We view situation with absolute confidence. Business conditions are sound as a whole throughout the country. This we know, as our products are sold from coast to coast. We have received no cancellations during panic. We believe that with the sound business conditions that exist throughout the country that stock depression can not be of long duration.

McDonnell & Miller

We are just completing the biggest month in our history. The entire year so far has been ahead of all former years. Outlook and prospects for immediate future encouraging. We expect to go right ahead as we see no sound reasons for alarm in our industry.

E. N. MCDONNELL.

Heating and Piping Contractors National Association

I see no bad effects from recent panicky stock conditions for our industry, but on the contrary expect that there will be improved building conditions in near future.

HENRY B. GOMBERG, *Secretary.*

S. T. Johnson Company

The oil heating industry, now enjoying the most successful year of its history, is built on the foundation of modernization and efficiency, having graduated from the class of luxuries and will hold its place in all sound revaluation of the country's wealth and help in a larger, better building program that is coming in American business.

J. C. JOHNSON, *President.*

Armstrong Machine Works

Fundamental business conditions as reflected by our volume of sales to all classes of industry were never better than now. We see no reason why business should not go forward as usual.

Central Supply Association

While the correction of stock market has consumed the savings of thousands of wage earners the power to earn and save has not been greatly impaired. With credit released from stock market more funds will be available for building loans. Prices for plumbing, heating and other building materials are reasonable. Labor is ready to give a full day's work. Real estate, particularly homes and small apartment buildings, will soon be in greater demand.

W. E. MCCOLLUM, *Secretary.*

H. A. Thrush & Co.

We have confidence in the future of the building industry in this country. Liquidation which is taking place in the general stock market will, in our opinion, make for more favorable financing in connection with the building industry generally.

President.

Vilter Mfg. Co.

Despite the decline in paper value of various stocks business seems, from our point of view, to be on a basis essentially sound. We record no cancellation of orders nor is there anything in the situation which makes us fear for continued prosperity of business in general.

The Cleveland Gas Burner and Appliance Co.

The fundamental business conditions of the country today are absolutely sound. Manufacturers of heating and home building essentials can now justly look forward to an improved condition brought about by the unfortunate stock market crash, which will now cause the general public to invest in home building, instead of gambling in the stock markets. Extravagance in the purchase of unessential commodities and luxuries will be somewhat curtailed. There is absolutely no cause for alarm.

HARRY E. KERR, *President.*

General Air Filters Corporation

Am viewing the stock market situation with satisfaction and confidence. Speculation will be discouraged and shortly will revert to investments and trade channels, such as the building industry with its allied market.

JOHN HELLSTROM, *President.*
Midwest Air Filters, Inc.

Carrier Engineer Corp.

Contracting as we do with hundreds of manufacturing industries as well as with those who are responsible for public and private building expansion, the economic situation in the country appears to us to be on a most sound and rational basis. We are in no way alarmed by present speculative readjustments. We are not retrenching, but are expanding to meet the healthy growth of national and international commerce.

Hess Warming and Ventilating Co.

The building industry has been severely hurt by not being able to compete for money with stock speculators. Also surprising how many persons have had their minds taken away from their regular work by speculation. Now that people realize there is no more easy money, we look for more attention being paid to normal affairs, with very much less expense in getting building loans. This cannot but help the building industry.

Walworth Company

Incoming orders at all Walworth plants for October exceed September and there is no sign of a let-up. Every factor points to a fourth quarter showing in line with the steady improvement in earnings which the company has made throughout the year. Third quarter statement will be ready for publication within the next few days. Cheaper money should be favorable to the building industry.

HOWARD COONLEY, *President.*

Ramp Building Corp.

We think that present activity will not only continue but show very substantial increase in construction for 1930. The recent stock market slump has released funds which will be available for building finance and other legitimate purposes. We look for a great increase in multifloor garage construction in 1930.

FRED W. MOE, *President.*

Rome Brass Radiator Corp.

The business situation in this country is not made or destroyed by conditions in the security market. Prosperity does not depend on the price of stocks. Fundamentally, the business structure of this country appears as sound as at any time in history. What we need is more sound thinking, a return to productive work, and less speculative hysteria. Our own business is steadily showing a very satisfactory increase over last year and we can see nothing in the immediate future to seriously jeopardize either prospective operations or earnings.

When the present speculative obsession ceases—as we believe it soon will—we feel conservative, sound thinking investors will put their money into high-class building investments, one of the safest securities possible.

JAMES D. ERSKINE, *President.*

Nash Engineering Company

Replying to your telegram, indications point to continued fine business.

IRVING C. JENNINGS, *President.*

Holophane Co.

Believe economic situation nationally absolutely sound, although perhaps temporarily somewhat affected by recent stock market. Our business unimpaired so far and 50 per cent ahead of last year. As an expression of our confidence in the future, we are right now increasing factory capacity considerably.

CHARLES FRANCK, *President.*

Copper and Brass Research Association

We feel that a large volume of building construction will be maintained for the remainder of this year and through 1930. While some falling off may occur, especially in residential building which has been extremely active during the past few years, no general or marked depression is anticipated.

J. L. Wing Mfg. Co.

Believe building and allied industries will be affected favorably rather than otherwise. Nothing has happened to change sound industrial conditions and anticipate a very satisfactory 1930.

A. E. SEELIG, *President.*

General Cable Corp.

We view present situation in our industry with entire confidence and believe funds will be readily available for building operations next year. Stocks of goods are comparatively small and prices in our particular branch of the industry have not been inflated.

H. Y. DYETT, *President.*

Detroit Steel Products Co.

Fundamental business conditions excellent. Believe outlook for future business improved by recent stock market stabilization. Credit will be diverted into business that will be of permanent value.

V. F. DEWEY.

Cohoes Rolling Mills Co.

Your telegram received. Believe continental condition never better and prospects for same good. Business exceptionally bright.

Steel Frame House Company

Our survey shows excess of families over dwellings has increased yearly from about 10 per cent in 1900 to about 17 per cent in 1929. This condition and with loaning institutions looking with favor upon more liberal financing on good construction, we believe that conditions are sound for increased activity in the building industry.

E. H. MILLARD, *President.*

Cassard Romano Co., Inc.

Replying your wire we are not at all alarmed at situation and are convinced that business will continue at satisfactory level.

MORRIS CASSARD, JR., *President.*

Kittinger Co.

We view the future business outlook with utmost confidence. The present deflation and stock values is a natural economic change. Stocks should revert to their true earning value to make business conditions sound. We are preparing for a good business year in 1930.

FRED J. BATSON, *Vice-President.*

The Duraflex Company

Business unquestionably sound fundamentally. Our outlook very good. Consider stampede foolish as always.

Servel Inc.

Recent happenings in stock market will have sobering influence on trading and perhaps to some extent on business, but we believe the fundamentals of the present business structure are sound and view with confidence the prospects for 1930 business.

FRANK E. SMITH, *President.*

Philip Carey Mfg. Co.

We believe in fundamental soundness of business. There is ample credit and money in the country to carry on, therefore feel entirely optimistic as to the future.

G. D. CRABBS, *President.*

Brasco Mfg. Co.

Our faith has not been destroyed. Industry is fundamentally sound. Stocks will promptly adjust themselves to fair values. In meantime more money will be available for building than ever before. We view outlook optimistically, feeling confident our own business will continue at present or even greater rate of growth.

The American Hdwe. Corp.

We believe that fundamental conditions are so sound that the building industry will not be materially affected by the decline in the price of stocks. It is even probable that after the financial interests have adjusted themselves business conditions in our industry may be improved by the release of money and credit for construction heretofore otherwise employed.

GEORGE T. KIMBALL, *President.*

Sargent and Co.

In our opinion decline in stock market will have a favorable result on business over a long range period. Credit and funds which have diverted into stock speculative channels will be available for business projects, including building operations.

MURRAY SARGENT, *Secretary.*

Aluminum Co. of America

Our contacts with the building and other industries lead us to believe that fundamental business conditions are sound. Temporary or local setbacks may occur this fall or in 1930, but business as a whole should move forward.

ROY A. HUNT, *President.*

Heatilator Company

The desire for modern homes provides a ready market for the conservative, efficient builder. The prospects of easier financing indicates more home building by owners and developers. Heatilator values, present and prospective, very satisfactory. Inquiries looking to next season's building largely in excess of any previous period.

W. E. JAQUITH, *Secy. and Treas.*

American Telephone and Telegraph Company

In response to your inquiry the business prospects of the Bell Telephone System are as good as they ever have been and we look for continued growth and expansion.

WALTER S. GIFFORD, *President.*

C. A. Dunham Company

Industry within our observation evidences a healthy contrast to the present stock market condition. Fundamentally all is well. Stock prices will balance with earnings. Bonds for construction purposes will again be sought by the conservative investor.

C. A. DUNHAM, *President.*

Jenkins Bros.

Replying to your telegram October 30th, during the past two weeks we have secured a very satisfactory volume of business in valves for new construction, with prospects of a continuance of the good business we have enjoyed during this year.

Consolidated Ashcroft Hancock Co., Inc.

Our close contact with nearly every industry throughout our country is such that we feel no hesitancy in stating our belief that industry is on a very sound basis and will continue to show satisfactory progress.

Berger Mfg. Co.

We believe the building industry for the balance of this year will be normal in every respect. Indications show prospects for an excellent building year in 1930, with stability of the building industry practically assured.

BUILDING DIVISION.

The Trane Co.

Believe present business situation most promising and that market adjustment opens the way for real building next year. Present year has been good and will continue.

REUBEN N. TRANE, *President.*

The American Laundry Machinery Co.

Answering your telegram of this date, our judgment is that general business will not be affected by present stock market action, particularly if it results in easier money, thus freeing capital for constructive and expansive purposes. We have every confidence in immediate future and are conducting our business accordingly.

L. Sonneborn's Sons Inc.

We believe the happenings last few days have been a necessary corrective operation. The ultimate effect on legitimate industry and business can only be beneficial. In our organization we are looking forward with every confidence to continued good business.

DR. FERDINAND SONNEBORN,
President.

Hoffman Specialty Co., Inc.

We consider the present somewhat demoralized condition only temporary. Inflation reached its limit and we now have swung to the opposite extreme. The next step will be into the conservative midway, where the stability of country-wide business will quickly assert itself. We look forward to continued prosperity on a safe and sane basis.

W. K. SIMPSON, *Secretary.*

Fulton Sylphon Co.

This has been one of the best years in the history of this company and there is no basic reason why business should not continue on the same satisfactory basis.

Raymond Concrete Pile Co.

We have the utmost confidence in the fundamental soundness of American business and in the judgment and resourcefulness of American executives as well as in the most wonderful national resources of the country and in consequence can only look forward to the continuation and growth of all sound enterprises.

HARRY R. MOYER,
Vice-President and Treasurer.

Kerner Incinerator Co.

We feel let up in residential building which country has been experiencing this year has been decidedly beneficial. Over built conditions are disappearing, and we look for a marked improvement in building starting in spring. From our standpoint fundamental conditions have never been more sound.

MACKAY WELLS, *President.*

Carter Bloxonend Flooring Co.

Believe stocks generally still much above actual value, too much money and credit is tied up in them. When market finally approximates normality for which it now seems headed, funds for real constructive work will be available and business will improve. Our observation is that it is generally good now.

David Luptons Sons Co.

Present stock market conditions should have little or no effect upon legitimate business. Sound values are not affected. We find no hesitancy in buying market or industrial building.

Truscon Steel Co.

We believe real estate and building situation will necessarily benefit by recent debacle. Losses have not been occasioned to substantial industries, nor have banking houses or investment institutions suffered. Undoubtedly these will gain tremendously at expense of speculating public. It is unlikely securities will appreciate as heretofore, making cheap money available and stimulating investment for building purposes. We have enjoyed the busiest year of our existence and even despite present market difficulties our volume is keeping up splendidly.

JULIUS KAHN, *President.*

Brownell Company

The country is in a more prosperous, safer and industrially sounder condition than it ever has been before and see no ground for uneasiness about fundamentals of prosperity.

J. R. BROWNELL, *President.*

Standard Conveyor Co.

Our barometer of future sales is the present amount of proposals or work on which we are figuring. There is more work in prospect for us right now than at any other time in our history. The increase or decrease in business that we may have is largely dependent upon our own individual efforts. We believe any decline or postponement which may result from recent stock activities will be temporary and slight.

H. L. DONAHOWER, *President.*

American Face Brick Assn.

Replying your wire 30th, building situation should be materially improved by lowered interest rates and more plentiful mortgage money which may now be reasonably expected. No general overbuilt condition exists and normal demand for new structures, coupled with desire for better housing, should soon bring renewed construction activity. Dissatisfaction with out-of-date homes and offices promises to result in increasing volume of both modernizing and new building, and may become very important factor in construction field.

GEORGE S. EATON, *Secretary.*

W. M. Ritter Lumber Co.

Answering your wire, industry generally, which of course includes the building industry, is fundamentally sound. The wild orgy of speculation on the stock markets is past. The vast sums of money that were diverted from legitimate business during the stock speculation period will find their way back into legitimate trade and industry and this must be extremely beneficial to the building industry. With the collapse of the stock boom an era of sanity will return. Men will regain their pose and be content to turn their minds and money into normal business channels. We view the future of the building industry from this time forward not only with confidence, but with genuine optimism.

W. M. RITTER,
Chairman of the Board.

Structural Gypsum Corp.

If we keep in mind that the recent stock market hysteria has produced a collapse of prices but not of sound values, there is no basis for a lack of confidence in the continued prosperity of the country's basic industries. On the contrary, money heretofore diverted into speculation should now begin to find its way back into and stimulate legitimate business. I feel that this will be especially reflected in the building industry, releasing many projects which for the past year have been held up through inability to finance except upon unsound basis.

G. LESTER WILLIAMS, *President.*

Atlas Portland Cement Co.

Answering your message the liquidation in stocks has in no way affected our confidence either in our own industry or in other sound enterprises. On the contrary, we believe that building and mortgages which at one time seemed unattractive will again come into their own. The fact that foreign cement is allowed to come into this country free, to compete with our higher costs owing to high labor, prevents my looking for a successful period in that particular line until the tariff question is remedied as we hope it will be.

JOHN R. MORRON, *President.*

Indiana Limestone Company

We believe the building industry shows good prospects for the coming year. With a large government program and state municipal railroads, banks and other corporations, building programs the largest in the history of the country. The slackness has been due to the falling off in smaller work such as small residences, apartments, etc., but feel that this work will improve on account of money being taken out of the stock speculative field and placed in good mortgage bonds. We have orders for a larger amount of fabricated work now than ever in the history of our business and are very optimistic for the future.

A. E. DICKINSON, *President.*

National Lead Co.

The reaction to the extreme speculation rampant both in the United States and Europe was logical and necessary and conforms to what any student of economic laws anticipated. The result should be a reduction of credits with corresponding decrease in current interest rates, which should be beneficial to the building industry.

EDWARD J. CORNISH, *President.*

Shevlin Carpenter & Clarke

My personal view is that the lumber industry and the building industry generally will, in the very near future, benefit by the liquidation of the stock market. Our lumber business began slowing down about six months ago, due largely to the fact that the capital of the country, to a great extent, was in demand at high rates to maintain fictitious stock market values. The result of this was curtailment of funds for building purposes and a sharp decline in building permits throughout the country. We are still under-built in the United States and it is evident already that capital will soon be available at reasonable rates for a building program. I look forward to 1930 with confidence.

E. L. CARPENTER, *President.*

Congoleum Nairn, Inc.

Answering telegram, we believe general business in this country fundamentally sound and look forward to continued good business in the future. Congoleum Nairn, Inc., volume and profits for each quarter this year has exceeded corresponding quarter last year. Stock values do bear a definite relationship to earning power, but this fact has been disregarded in a hysteria of inflation in some stocks which were bound to crash and temporarily carry all stock to a much lower level. The good ones will rebound to their true market value and the poor ones will have a hard time. Stock losses may temporarily affect business, but so long as business fundamentals remain sound and general business is guided by scientific budgetry and inventory control as is generally the case in the modern business in this country, I seriously doubt that progress and prosperity in the United States can be stopped. For the long pull the optimist in this country has always had the laugh on the pessimist.

HAWKES.

Richardson & Boynton Co.

The Institute of Boiler and Radiator Manufacturers feels that the fundamental condition of the country is sound and that the building industry may have its ups and downs, but that the increased population year in and year out leads us to believe that the building industry must continue to increase. We look forward with confidence to a good year in 1930 with the funds released from the market to be put into the construction of homes.

H. T. RICHARDSON, *President.*
Also *Chairman* The Institute of Boiler and Radiator Manufacturers.

Curtis Companies Incorporated

Liquidation in stock market has opened way to building of houses by releasing capital which will find its way back to mortgage market in good time in most communities. Surplus of houses is fast disappearing if not already converted into a shortage and with prospects distinctly good for lower money rates, I regard this as especially good time for commencing new house construction. With excellent reason expect that beginning next spring we shall have more active demand for building materials than since 1925. Recovery in security values yesterday indicates no lack of confidence in business situation which is, in my opinion, perfectly sound.

G. L. CURTIS, *President.*

The Casement Hardware Co.

As far as stock decline goes feel necessary corrective long overdue and that it will help legitimate business and construction industry although immediate effects may be adverse until situation is readjusted. Consider only one important factor now unsound —and that is government position in grains, which if maintained will cause the same inflation as in stocks with artificial barriers against natural corrective forces of supply and demand. Our company now enjoying largest and soundest business in its history and planning confidently on further progress next year.

C. E. SPENCER.

The American Rolling Mill Co.

Commerce and industry have made splendid progress during the past five years. They are still going strong and minus seasonal and other temporarv fluctuations, they will always go strong. The steel industry has enjoyed an outstanding year without any inflation in price. Profit has been made from good volume and reduced cost. In this great and growing country with its boundless human and material resources industry must continue to grow steadily. Future business prospects and opportunities were never better than today.

GEORGE M. VERITY, *President.*

Bagues Inc.

Our business is perfectly sound and the prospects very encouraging.

President.

General Refrigeration Co.

Facts indicate a splendid soundness of the country from both business and financial standpoints. Business well ahead of last year and we believe will continue in goodly volume. Business in general already transacted this year to date places 1929 in the catagory of 1927 and 1928, which are conceded banner years. We have full confidence in the continuance of these good business conditions.

JAMES R. MORASH,
Vice-President.

Dahlstrom Metallic Door Co.

Most building projects of any magnitude already projected are too far advanced to be influenced by any purely temporary readjustments of the general public finances, therefore we are confident that the present stock market condition will have very little effect upon the larger building operations throughout the country such as those we are interested in. In fact, this experience may tend to turn the financial current into more creative channels and in the end serve a useful purpose.

H. E. V. PORTER, *President.*

National Fire Proofing Co.

Your wire of even date has been received. Orders received would indicate that October will be a banner month for us thus far during the year. Present bookings carry us well into the first quarter of 1930.

The United States seems large and progressive enough to absorb shocks and dissipate them, serious though they may be for the time being.

S. F. HERBERT, *President.*

National Lumber Mfrs. Assn.

All our information indicates that industry and trade are in an intrinsically sound position outside of the psychological effect of the stock market crash which of course is entirely conjectural. We are inclined to the belief that the return of the stock market to stability and reason will be good for the productive and construction industries which undoubtedly have suffered from excessive diversion of the nation's liquid capital to the stock market whether as loans or speculatively. We would not be surprised if the construction industry should improve on account of rather than despite the stock market debacle.

WILSON COMPTON,
Secretary and Manager.

Fiske & Company, Inc.

Our opinion is that the volume of building particularly of the better types will increase during nineteen thirty and that more money at reasonable rates of interest will be available for this purpose.

H. T. FOLSON, *President.*

Black & Decker

We are optimistic as we believe stock market situation will not adversely affect general business. General business is healthy, inventories low and money for business will be more plentiful, and most important of all more people will go to work and stop speculating.

S. D. BLACK, *President.*

Ambler Asbestos Shingle & Sheathing Company

There is nothing fundamentally wrong with the present business situation. A number of persons have sought to get money without rendering an equivalent for it and have guessed wrong to their own discomfiture. That is all.

RICHARD V. MATTISON, M.D.,
President.

The Wheeler Osgood Co.

Developments of the past two weeks prompt us to look forward with confidence to marked improvement during next year in the building industry. We do recognize the tremendous producing capacity that has been built up and believe to secure fair returns on capital invested manufacturers of building materials must cooperate through trade associations to legally regulate production to demand.

W. E. Dunn Mfg. Co.

Ships like the building industry don't go down in seven squalls. Buyers will merely be more discriminating, seek better values. Right production methods with automatic machinery will lower manufacturing costs. This confidence in future makes us rush completion of new machine which will halve brick costs.

W. E. DUNN, *President.*

The Master Builders Co.

Stock market panic has not changed our views of business in United States of America. Survey shows fundamentally sound condition of our industry at this time. Prospects of easier money promise improvement in construction field ahead. Have every confidence in future.

S. W. FLESHEIM, *President.*

Wasmuth Endicott Co.

We look with complacency upon the prospects in the building industry. The panic in the stock market just receding will have little, if any influence upon the earning capacity of industry. Legitimate business will quickly resume its normal trend. Responsible builders will find money more plentiful for their operations and at lower rates, and the building program for next year should be very much larger than that of the past twelve months.

E. M. WASMUTH, *President.*

Dewalt Products Corporation

We have confidence in American ability and resourcefulness. Every crisis in past has been 90% hysteria. We are proceeding with our plant expansion plans affording greater facilities. We believe in continued prosperity and continuing advance of successful commerce. Our people have been educated to high standards of living in beautiful modern homes and industrial plants affording every convenience and will not be content to revert to pre-war status.

PAUL GARDNER, *President.*

Insulite Co.

The Insulite Company views the future with great confidence. We consider the business structure of country in splendid condition. People all over the earth are realizing the economic necessity for insulation. We are now preparing to build new mills at home and abroad to meet this rapidly growing demand. The building industry is prosperous and will continue its forward march.

SEYMOUR W. BACKUS,
Vice-President

Acme Brick Company

Answering your telegram we believe present situation healthy and necessary, provided it brings an end to the era of recent years of inflation of securities and other abuses which necessarily follow such a period. We believe our business and other businesses of the nation will again prosper when the people get their minds off of profits from inflation of securities, and direct their energies toward their own productive efforts. We therefore view the present situation without fear and with the utmost confidence that good sense will prevail and that prosperity will reassert itself, based on hard work and clear thinking on the part of the American public.

W. R. BENNETT, *President.*

Toch Brothers

In a business career of fifty years I have lived through three panics, in none of which have the businesses of this country been less affected than in the present one, which, to my mind, is just a localized storm particularly affecting those who wanted something for nothing. This panic is in a class of its own and has absolutely no bearing on merchants generally throughout the country, nor is it a money panic. Therefore, to my mind business will continue prosperously, as it has continued right along. Legitimate merchants, whether they be manufacturers, importers, or dealers, are being and will continue to be supplied with the necessary funds to conduct their businesses. There is no occasion for alarm or fear. Let every man make his own business his real business.

HENRY M. TOCH, *President.*

Federal Cement Tile Company

Dodge Corporation reports contracts awarded first nine months of 1929 equal to years 1925, 1926 and 1927. This is borne out in our own industry, where new production, shipment and erection records have been hung up. We will finish 1929 in full production and have a good start for 1930. The purchasing power in this country is so great that this, coupled with its increasing export trade, will carry it on an even keel indefinitely.

I. H. FREUND, *President.*

Cellized Oak Flooring, Inc.

We anticipate decided increase in building construction as a result of stock market fiasco, as much needed construction will now go ahead due to expected diversion of funds from call money to savings accounts and building construction. Our sales force now particularly enthusiastic about near future possibilities in our line.

A. O. CUTHBERT, *General Mgr.*

Portland Cement Association

The construction industry finds no cause for alarm in the recent market crisis, because of the ample stocks of high grade materials available at fair prices and with money both plentiful and cheap. Contractors are in excellent position to capitalize their skill and to profit from well planned merchandising. The opportunities inherent in winter construction should be recognized with results certain to be beneficial to every phase of building industry from architecture to labor.

WM. M. KINNEY, *General Mgr.*

Speakman Company

In view of the present situation it is hard to make any statements with confidence that might be borne out by later events. Views I have gathered the last day or two, however, show that eventually money would be released, which would later go into the financing of the building industries. I hope this is true. If this is the case, next year, at least, should promise some fair business.

WILLIAM A. SPEAKMAN, *President.*

The Eagle Picher Lead Co.

For some time the one weak spot has been the stock market. It has been a hindrance to business in many ways. High money rates have retarded building operations. While the cure has been painful, there is no doubt we are on a firmer foundation. It is possible the volume of new buildings may be lower for a time, but this can be offset if we can better sell the American people on the value of improving and modernizing their homes and properties. If this is done in a systematic way it will be possible to lift the building industry to higher levels than ever.

A. E. BENDELARI, *President.*

James B. Clow Co.

That the country has safely passed through the present crisis is the best evidence of its soundness and indicates that the future holds even greater rewards for those who have confidence. The building industry should eventually prosper as a result of this shakedown indicating as it does that for security one must be satisfied to grow with the country and receive only a reasonable return on investment.

WM. E. CLOW, *President.*

Concrete Steel Company

It is my firm belief that a readjustment in the stock market, such as has taken place during the past month, will eventually materially benefit the building industry. There is no doubt but that the capital of the country has been attracted to Wall Street by the lure of quick profits.

Since the recent demonstration of how insecure such profits have been, capital now will seek real investment channels instead of speculation. The eradication of the gambling mania which has recently taken hold of the public will undoubtedly help general business and especially the building industry. Therefore, I believe those in the building trade can look forward to a resumption of normal business during the coming year.

W. H. POUCH, *President.*

American Institute of Steel Construction, Inc.

Structural steel during 1929 has been selling in a volume greater than for last year, although the total of all construction has declined.

From information that comes to us we anticipate an even greater volume of steel construction during 1930. Much of this work has been held in abeyance by the drainage of money from outlying communities to Wall Street. The speculative deflection has been salutory to business. We believe that it will be a decided benefit to the structural steel industry as we can now go ahead on projects, the financing of which has heretofore been delayed.

CHARLES F. ABBOTT,
Executive Director.

Kawneer Co.

Our volume is above normal for this season, we expect the usual amount of business during the fall and winter. Stock market fluctuation has not as yet been a vital factor in our industry. However, millions now released should be available not only for us, but for the building industry in general. We are optimistic as to future activities. We are makers of metal store fronts, doors, windows and mouldings.

FRANCIS J. PLYM, *President.*

The Frink Corporation

Based upon our judgment of the outlook in the lines of business with which we come in contact, we consider the recent severe shrinkage in values of securities throughout the country to be very excessive, largely unwarranted and not as correctly indicating the future course of such businesses. These businesses seem to us to be in sound condition and we believe that they will continue for some time to be profitable to companies properly operating in such lines.

J. A. C. JENSEN, *President.*

Frederic Blank & Co.

We believe the readjustment of the market will have a salutary effect in the building trades. Funds formerly engaged in speculative ventures are being released for sound investment, with the result that building will profit. We look to the future with optimism.

Schlage Lock Co.

Our business in excellent shape with market widening steadily, and we look forward to a most prosperous future.

CHARLES KENDRICK, *President.*

The McAlear Mfg. Co.

Do not believe general business will be greatly affected by hysteria in stock market. The country is in a sound economic condition which undoubtedly will continue now that the stock values are brought to a more sound basis. I am of the opinion that the flurry in the stocks will be a means of diverting capital to building and other lines of industry, which in turn will create more employment and a greater measure of prosperity than we have had for some time.

JAMES MCALEAR.

Herman Nelson Corp.

We view present situation as a natural readjustment of existing inequalities, due to great prosperity period. Can see nothing fundamentally wrong and believe this readjustment was not only inevitable, but will soon improve conditions in certain fields, one of them being the building industry.

HERMAN W. NELSON, *President.*

Warren Webster & Company

Our business is better this year than it was last year and continues to show the same steady progress that it has shown every year since the war period. Orders and shipments are at a new high point despite some reduction in the volume of new construction. We attribute this to constant improvement in product and maintenance of quality. We see no reason why progressive companies in the building material field, who continue to improve their product and to maintain quality, should not continue to do business in increasing volume.

HAROLD F. MARSHALL,
Asst. Sales Manager.

Sarco Company, Inc.

From a study of our own business and a knowledge of the plans and development work of our customers, we are convinced that the basic conditions of trade are sound. If there should be a panic or any serious regression in trade, we believe same will be wholly without warrant. Prices appear to be stable, demand substantial, and profit is satisfactory.

CLEMENT WELLS, *President.*

Timeostat Controls Co.

The outlook for business for the balance of this year seems excellent indeed. We base this upon the fact that our shipments for October of this year were 70% in excess of our shipments for the same month of last year. What is more important is the fact that incoming orders for the last half of October were 100% greater than the incoming orders for the same period of 1928.

JULIUS K. LUTHE, *President.*

Henry Klein and Company, Inc.

We believe that the recent liquidation and adjustment in the securities market can only have a beneficial effect on business generally. It is our further belief that it will result in a noticeable increase in building construction. In fact, we consider that our prospects for increasing business have never been greater.

Celotex Corp.

As I see the situation general business outlook is bright. I believe recent market correction was not only needed to save speculators from themselves, but will prove a beneficial effect on general business if it does what it should do and that is, take the money and time of the people out of crazy speculative channels and divert them into orderly investment items. Building business has been a little slow not by reason of absence of needs or disinclination of people to build more houses and other structures, but by reason of their being unable to compete with crazy interest rates occasioned by New York call money market. With money rates normal I look for very substantial resumption of building activities. So far as our own business is concerned we are going considerably ahead of last year. Some weeks ago I was somewhat apprehensive on business future because of fear that stock market fiasco might seriously affect underlying conditions, but now that needed correction has taken place without any serious disturbance to underlying fundamentals, I am extremely optimistic over the future.

B. G. DAHLBERG, *President.*

Mueller Co.

We are not alarmed by present conditions and do not anticipate any radical change that will have a depressing or decreasing influence on our volume. Our output at present is up to our average seasonal shipments and the demand continues good. We anticipate a continuance of the present demand and look for a stable business for the remainder of the year.

ADOLPH MUELLER.

Aerofin Corp.

The building industry is so fundamental that after the first shock of the market decline is over the sound value of the building industry will attract the investor. The industry can therefore view the future with confidence and prepare to come into its own. We are increasing our facilities.

Fitzgibbons Boiler Co., Inc.

We regard general evidences and conditions as promising continued good business and sustained activity in industry. Adequate money and normal population increases in its demands and feel no cause for change in our business and manufacturing plans, or any alarm about building, etc., for coming six months.

Libbey Owens Glass Co.

We look for healthy activity in sound investments, including building projects. Believe unstable situation in recent past has been corrected and that more stable conditions will develop.

J. C. BLAIR, *President.*

E. B. Badger & Sons Co.

We have no fear that situation which existed in stock market last week will have any permanent effect on the sound industrial conditions which exist today.

E. B. BADGER, *Treasurer.*

Kalman Steel Comany

I have every confidence in the future of the building industry and feel that the prospects are that money conditions will be very much easier for the balance of this year and for the year 1930. This undoubtedly will be of great assistance to the entire building industry, and many prospects that have been held up by money conditions should now go ahead.

PAUL J. KALMAN.

Quiet May Automatic Oil Burner

I see no reason why the stampede of embryonic, or too venturesome stock speculators should influence the progress of the building industry, or of business in general, except to have a much needed stabilizing effect. The market decline of the past few days should send many qualified workers back to less exciting, but more productive effort, and its reaction is assurance of a general financial stability. I believe the circumstance will have a chastening financial effect and that building operations and business development that have been held back this year because of high money, can be assured of ample funds in 1930.

EDWIN M. FLEISCHMANN,
President.

Kosmos Portland Cement Co.

In reply to your telegram, it seems certain that, in time, building will be helped by the return of the country's funds to legitimate uses. For a while, however, I think widespread individual losses will check all forms of consumption, including building.

CHARLES HORNER, *President.*

Taco Heaters, Incorporated

Our buisness is the best it has ever been, and we see no reason why present stock market activities should affect the consumption of our product in homes scattered throughout the country. We certainly will not modify our plans for next year due to any doubt as to the future.

ELWOOD S. WHITE, *President*

Josam Mfg. Co.

We feel confident the financial situation will right itself if the country's leaders and institutions in the financial, commercial and industrial fields go ahead about their business, and form an optimistic viewpoint based on their conditions and requirements, as the basic business structure in our field is fundamentally sound. Our company is ging ahead with contemplated expansion based on our actual requirements. Cooperation of all is necessary.

JOSEPH HIRSCHSTEIN, *President.*

Reading Iron Company

We have advised all our district sales offices that the situation created by the crash in values on the New York Stock Exchange is serious is not to be questioned. It is impossible to squeeze billions of dollars out of credit values of this country without there being a serious reflex, but there is nothing in the situation as it has developed thus far to entitle anybody to view future with pessimistic feelings. For the first time the Federal Reserve banking system is thoroughly tested in a financial situation closely resembling a panic. That the Reserve Bank system has stood the test most admirably and far beyond our expectations is demonstrated effectively and instead of a disaster of magnitude, we have merely a reduction in values and small losses to those who are dealing in margins. Neither brokerage houses or banking houses have as yet suffered, and we doubt if they will because the credit situation in all banks is liquid. Speaking generally the earning capacity of corporations is as yet unimpaired. There is plenty of money for commercial credit, and initiative need not be stayed because of lack of funds. We expect the building situation to improve in 1930 for the reason that funds heretofore not available will find profitable investment in new buildings. It is possible that some lines of industry may be affected, and it is quite probable that the resale merchants will find the Christmas season rather disappointing, but in general the situation does not impress us as one calling for retrenchment, or even for a gloomy view.

P. N. GUTHRIE, JR., *Vice-President*

Electrol, Inc.

Have just closed the greatest October in Electrol's history. Believe it was also the largest October in history of the oil burning industry. With hard work we can see nothing but progress ahead.

LEOD D. BECKER, *President*

The Davey Tree Expert Co.

In my judgment the best thing that could happen for general business and the building industry was the deflation in the stock market and the elimination of the wholly unwarranted artificial values. All of the nation's wealth is still here. None of the money or the wealth has been destroyed. People should now give more attention to business and seek the safer investments. This should stimulate building and all forms of good real estate investment. It should help general business. There may be a temporarily adverse effect for psychological reasons but in a short time business should move forward with renewed confidence and vigor. Fundamental conditions are sound and the real causes of prosperity are still with us in positive form. Our business program is going forward with the usual confidence and aggressiveness.

MARTIN L. DAVEY, *President*

Alberene Stone Co.

We look forward with greater confidence than ever before.

J. L. KRETZMER, *Vice-President*

Otis Elevator Co.

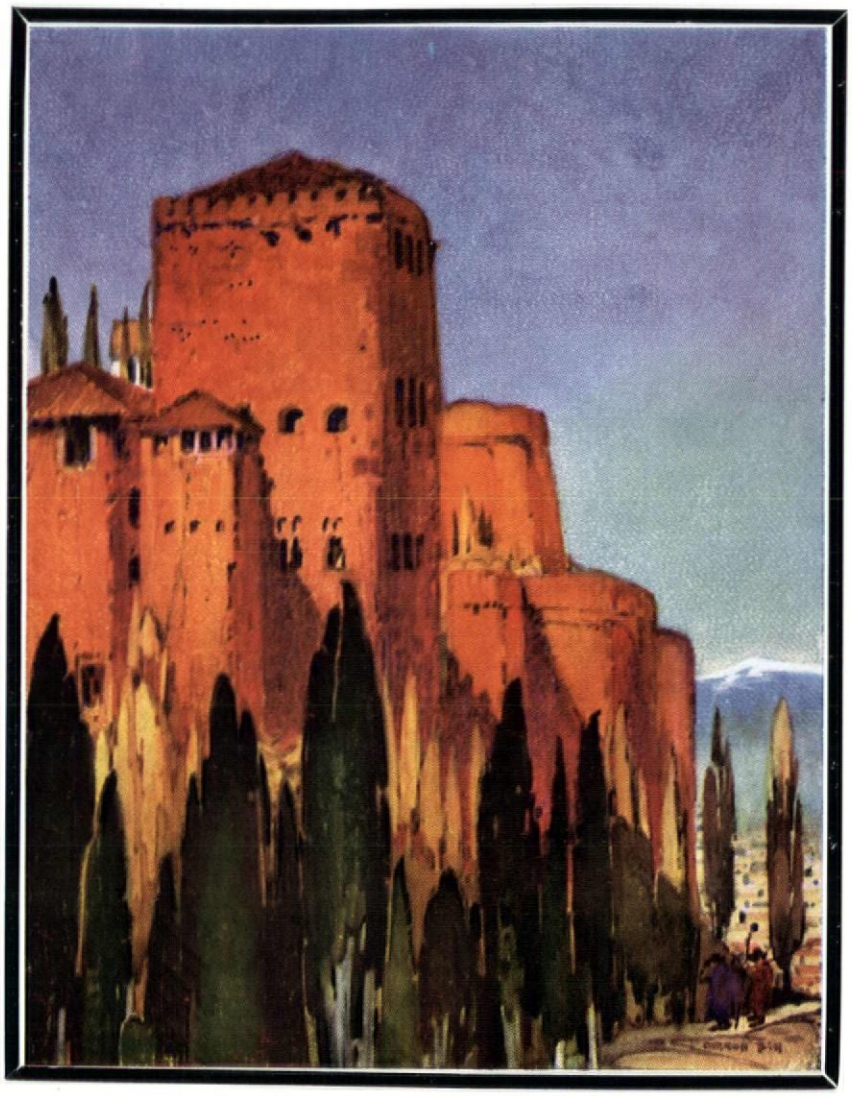
We view the present situation with absolute confidence and are expecting an increased volume of business in 1930.

W. D. BALDWIN, *Chairman.*

Best Bros. Keene Cement Co.

While orders have fallen off since first heavy drop in stock prices, consider basic industrial conditions sound and see no reason to view future other than with confidence.

JOHN C. BEST, *President.*



THE ALHAMBRA, GRANADA

From a Water Color by Carroll Bill

THE
ARCHITECTURAL
FORUM

VOLUME LI NUMBER FIVE

NOVEMBER 1929

A SPANISH HOLIDAY—I

BY

CARROLL BILL

ILLUSTRATED FROM WATER COLOR PAINTINGS BY THE AUTHOR

WHEN I told the editor of THE ARCHITECTURAL FORUM that I was sailing for Spain to see all I could, to paint what I could, likewise to eat and drink whatever came my fortunate way, in short to bring back in portable form as much Spanish atmosphere as could be absorbed in a short stay, he, without knowing what he was letting himself in for, said: "Write me a story about it, so you can go again," and falling readily for such allurement, I here presume to set forth a few of my richly jumbled impressions, architectural and otherwise, of a country at once so ancient and yet so modern; so grim, and then before you realize it, so amiable and smiling; so replete with the mellow architecture of many generations of men and her people, so much a part of and so closely allied to her soil, that one feels the sense of relationship between a wrinkled, old, rusty-cloaked peasant and the brown church against which he leans in the sun,—brothers, in fact, and inseparable. That is something of Spain. Espana, land of romantic story, land of strange contrasts, land of rugged form and color and fulfilling all else that we have heard so many times before; then add—a country now darkly gloomy with rock-rimmed desolate plains, fantastic architectural groups piled up against a background of great, high-tumbled cloud masses, drab and slate-colored, and now smiling in her spring green of newly growing fields and the gray of ancient olives, with far-flung reaches of burnt orange earth against snow-capped, cobalt mountains, her great open spaces dotted here and there with the red-brown huddle of a town gathering in about the base of its protecting church tower,—that again is Spain.

To so generously expose glimpses of her great storehouse of art and architecture that the ordinary traveler may with little trouble see and enjoy them, and then to shut away in a hidden corner some treasure of a town the discovery of which so well repays any hardship and adventure of the less frequented roads and uncertainties of Spanish travel by either train, auto or mule,—that too is Spain, and the numbering of her delightfully feminine inconsistencies might be continued indefinitely, to the exclusion of all else were not the main object of these pages to add a bit to the already ample store of Spanish architectural tradition and picturesqueness. And so to the road, which in this particular case began in New York harbor, for, under the red and yellow ensign of the Spanish Royal Mail Line, one steps immediately into the atmosphere of Spain, and after one derisive gesture in the general direction of our Statue of Liberty we went below to feast on *arroz Valencia,* fried devil fish, and the pleasant vintages of the country, both red and white. Ah, voyage of delightful memory and picturesque incident!—the stewards, like old family servants; the rippling Castilian speech in general use; the little deck hands, never without cigarettes, but polishing brass and stoning planks till the vessel shone like a yacht; the opening of what appeared to be a pair of bookcase doors to reveal a completely vested little altar served by the ship's *chapelin;* the 30 or more religious refugees from Mexico, taken on by the kind-hearted captain and given five meals a day, of which they took unfailing advantage; the retired American sea captain and his wife, on their way to a new home in Spain, and many Spanish commercial men, all interesting, the whole being much in the way of a good little appetizer for the rich banquet all laid and awaiting our landing.

After bucking head winds, high seas and rain for 14 days, the far-away sparkle of Cape St. Vincent and the Portuguese coast line told us that the voyage was nearly over; and as the misty rainy morning gave sight of blue and white Cadiz, the sun cracked the dull sky open, and we entered Spain under the arch of a magnificent rainbow, theatrical, perhaps, but true and typical of many happenings in store for us. Cadiz held us no longer than was necessary to establish liaison with the Spanish railway system and its very convenient form of kilometer tickets, and nightfall found us snugly housed in Jerez, an hour's

run from the seacoast that we were not to see again for a month. To give it its full-sounding, sonorous title, which I like very much, Jerez de la Frontera is a bright, cheerful town, prosperous to an unusual degree, thanks to its wine industry, about which, more later.

On arriving in any town, large or small, the established plan of procedure is to first find lodgings, bargain with the innkeeper, throw baggage inside the door, and then work out the shortest way to the cathedral. This plan is uniformly successful in establishing not only the location of the center of interest, which is almost always the cathedral, but also the general layout of the town, and in a short time it enabled me to acquire a good working knowledge of Jerez, aided, it is acknowledged, by an antiquated Baedeker of the year 1901. But Spain had changed so little that the old plans of streets and buildings were little altered from my memory of a previous trip, 15 years earlier. Jerez has the usual generous number of churches of a Spanish town, all interesting because all so different, and covering a span of several architectural periods. The best remembered are San Dionisio, a Gothic-Mudejar structure with great blank, grim walls and with a rose window at the very peak of its gable; the Colegiata, a Baroque edifice, with its towered facade and wide-flung buttresses, a curious combination of Gothic and Renaissance, approached by an intricate arrangement of ramping stairs; on each of the yellow stone finials of its lofty front was perched a black and white stork, whose ragged feathers blew in the wind, for all the world like the hair and beards of old men; San Miguel, with its handsome blue, white and yellow tiled tower, and San Francisco, yellow as gold in the afternoon light; and, planting myself in artistic rather than religious adoration, I began my first Spanish sketch.

The original intention as to painting was to make finished water colors on the spot, but my initial experience in Jerez changed all that, and I had been at work but a scant five minutes when I was surrounded by a crowd of perhaps a hundred spectators, not malicious or troublesome, but so childishly curious and eager to see what the folding stool and trick easel and little tubes of color were all about and what sort of entertainment I was to provide for them, that they made impossible anything but the most impressionistic handling of the subject. Speaking, as I did, a little Spanish, it was possible to hold them within reasonable bounds; but my wife, good companion on my journeys, also sketching and by nature conversationally adept, was, in this emergency, reduced to the silent acceptance of all that the crowding onlookers chose to offer and was, on one occasion in Jerez, politely but firmly escorted to the nearest police station for blocking traffic.

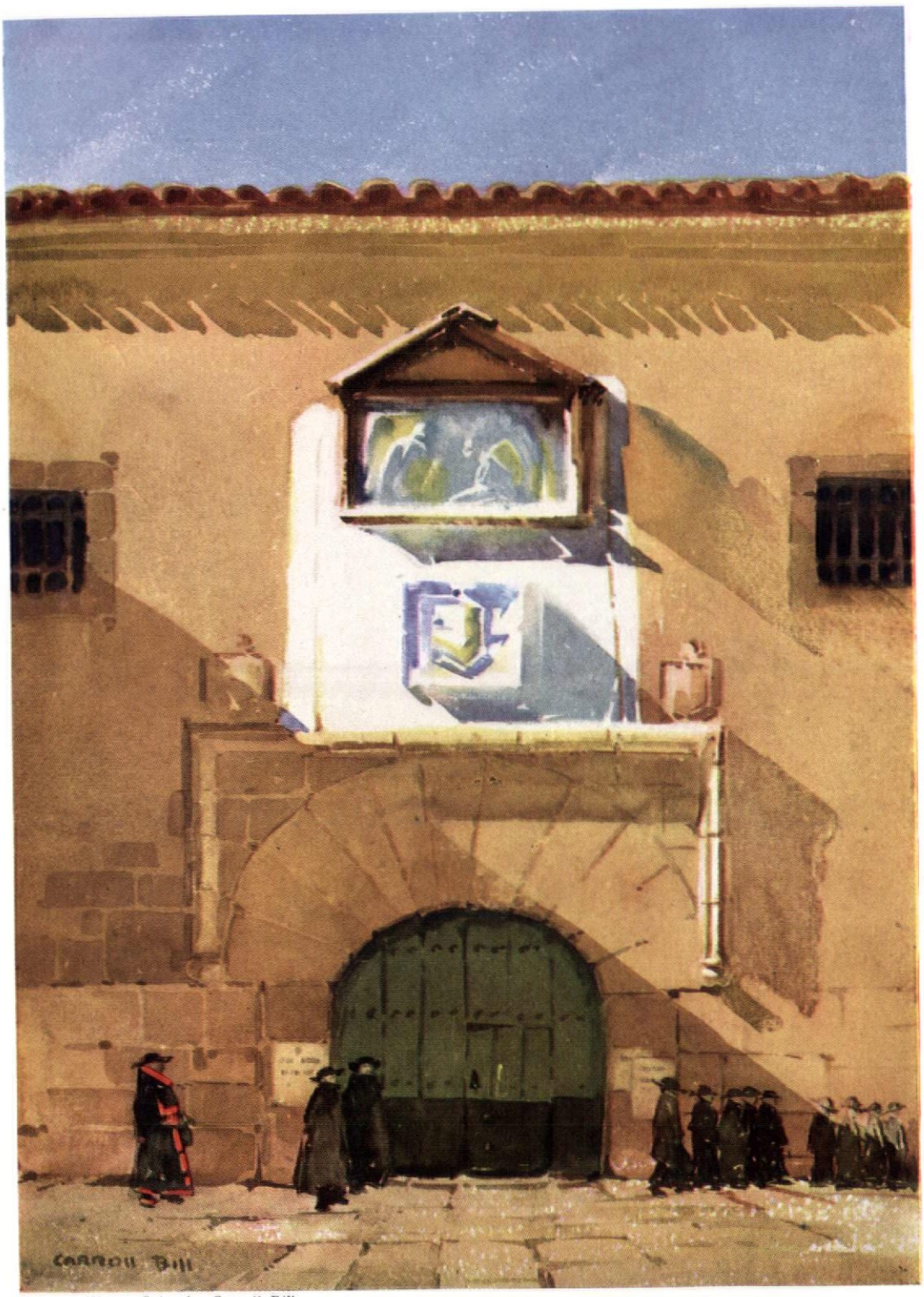
Architecturally, and paradoxically speaking, the chief item of interest is not in Jerez at all but three kilometers away over the dusty road to the southeast, where in its mellow and deserted isolation lies the Cartuja, a Carthusian convent founded in 1477. The first impression is of a great and elaborate Renaissance facade completely isolated from the rest of the group of buildings, a huge towering gateway, in fact, through which we pass into a stone-paved, grass-grown court, once the nave, but now open to the sky with side walls tumbled to heaps of rubbish. At its far end is another facade of the same yellow stone with coupled columns piling up to support and enframe figure-filled niches and broken cornices, all soaring to a central composition of rose window, arch and crowning structure, and the whole profile enlivened by curious and elaborate urn-shaped pinnacles and balustrades. Keeping in mind this last word in late Renaissance, we thread a series of passages and courts into one of the largest and finest Gothic cloisters in Spain. This architectural contrast or association of two or more distinctly different styles is to be met constantly throughout the land, and strangely enough it is not as disturbing as it might seem, for the Renaissance has a Spanish flavor all its own, as has also the Gothic, and the two seem to dwell in intimacy peaceably enough. Picture to yourself a great cloister, 500 feet square, completely arcaded and buttressed, with its upper structure housing in its high day a thousand monks; in the center a stone basin, in which might swim a dozen swans, with a fountain in the middle of the pool, and above all the lofty yellow mass of the main church showing through the black-green of ancient cypress. While in a lamentable state of neglect and ruin, it was a joy to learn that the Cartuja had been taken over as a national monument, and in one corner a tiny group of human ants had already started their mighty task of restoration. Perhaps because it was our first important architectural discovery after landing in Spain, and because we came so unexpectedly across such a tremendous pile of yellow sculptured stone in its sleepy isolation, the Cartuja made a mental impression that endured throughout all our sojourn in the country.

And now, speaking not at all in reference to architecture, the most delectable phase of life in Jerez centers about a certain time-honored and traditional industry which owes its existence to the enormous vineyards surrounding the town on every side and through which the road leads back from the Cartuja. Now be it known that from these same vineyards, made up of what as far as I could see were acres of dry dust, stuck all over at regular intervals with gnarled stumps and most



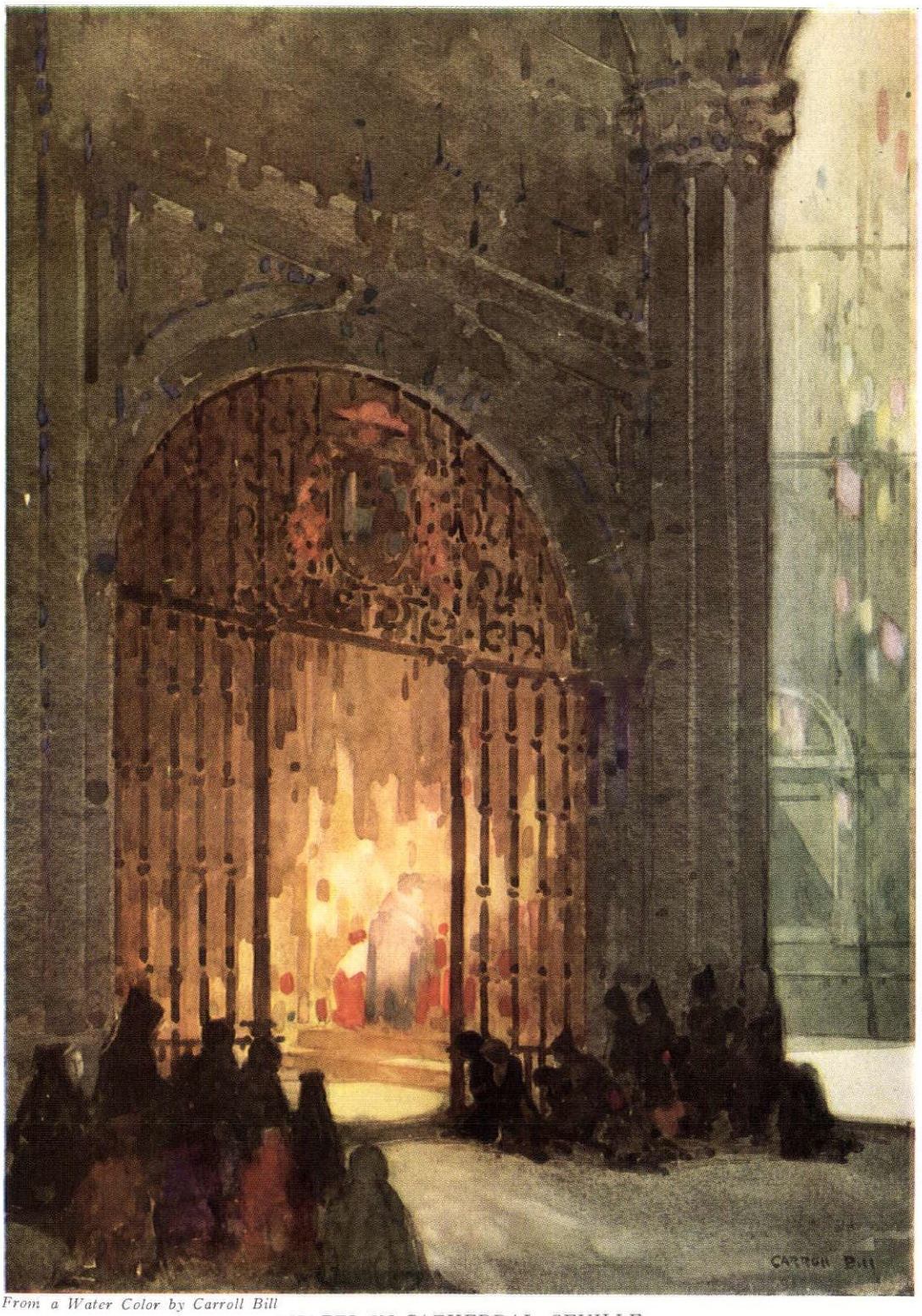
From a Water Color by Carroll Bill

CHURCH OF SAN FRANCISCO, JEREZ DE LA FRONTERA



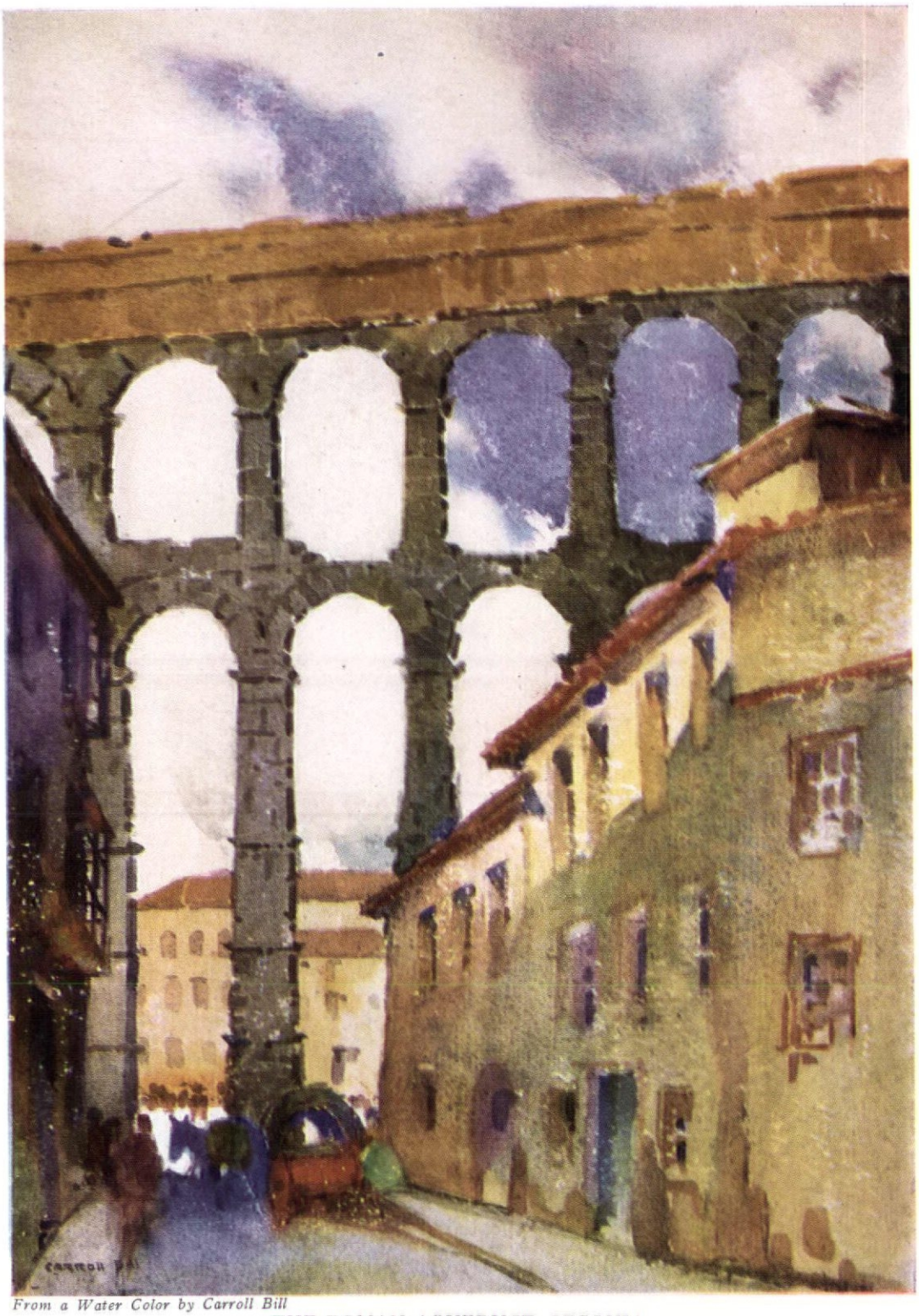
From a Water Color by Carroll Bill

CONVENT OUTSIDE THE WALLS, AVILA



From a Water Color by Carroll Bill

CHAPEL IN CATHEDRAL, SEVILLE



From a Water Color by Carroll Bill

THE ROMAN AQUEDUCT, SEGOVIA

unpromising looking twigs from each of which had been trimmed all signs of life save one solitary green sprout, there ripen in due season the grapes from which for generations of men have been gathered, nursed, educated and matured the luscious vintages known to the civilized world as sherry. Shakespeare's England knew it, and old Falstaff tells of "sherris sack from whence comes valor," and down through Georgian times every sporting baronet let no year pass without having his casks built one within another to prevent theft of the precious contents coming over the channel from Cadiz harbor, and no cellar worthy of the name was without its butt of Oloroso. My emotions, olfactory, gustatory and spiritual, were raised to their highest when invited to visit the great *bodegas* of Pedro Domecq in Jerez. It was an invitation easy of acceptance, and after being shown through warehouses and storesheds, cathedral-high in size, piled ten deep with casks in various stages of development and whose removal from their fragrant surroundings is permitted only after 30 years of faithful attendance, we were reverently conducted and ceremoniously introduced to certain mouldy tuns, some of which had reached the serviceable age of 200 years and bore the arms of George III, William Pitt, the Duke of Wellington and the like, and were invited to sample their fragrant contents. The present royal house of Spain was represented, and Alphonso and his queen had their casks gaily hung with the colors in recognition of a recent visit. The ultimate hospitality of this fine establishment, as extended to us by its gracious younger son, took the form of a parting gift of two bottles of the famous Oloroso, dated 1840!

Fearing that, after such a soul-satisfying experience, which comes to the ordinary mortal but once in a lifetime, but which I cherish hopes of repeating within the year, any other possibility of Jerez would prove but an anticlimax, we took the road to Seville and in a murky drizzle, not at all typical of southern Spain, we clattered over stone pavements and around amazing corners in search of a certain sixteenth century palace, now in this later and more prosaic day devoted to the sheltering of just such travel-worn and none too particular seekers of the picturesque as were then knocking at its battered portal. Bowed in by the whiskered Don Marcos, we were shown a room on the ground floor which must in the early days have been a lounging place for the menials of the house and in which were four doubtful looking beds and a damp chill for a coverlet. Protests finally availed, and crossing a great patio open to the sky and up a staircase 15 feet wide, we were very pleasantly lodged in an enormously high-ceilinged room with great wooden window shutters, tile floor and two electric lights, only one of which could be lighted at one time, a thrifty bit of electric wiring that, with experience, was found to be universal throughout Spain.

Seville, always smiling, but now wearing an air of newly acquired prosperity, had taken to herself a different and rather disturbing atmosphere. Always gay and very feminine, she had blossomed out in a dozen different ways,—old streets pulled apart; new streets cut through, with smart-looking shops with Frenchy looking clothes in their windows; a traffic problem all her own, due to the crush of automobiles, mostly American, from those of a well known make up to luxurious limousines; all this rather unpleasant on the whole, until we put ourselves in a state of mind to accept all this modernity as a foil to emphasize the dignity of the archbishop's palace, the sparkling stateliness of the *Ayuntamiento,* and the fine soaring shaft of the *Giralda,* lifting its aristocratic self far above the modern tangle in the streets at its feet. To me Seville is personified in its cathedral. In contrast to the masculine vigor of the cathedrals of northern Spain it has a lightness, an almost feminine gaiety in its tangle of pinnacles and buttresses. There is no facade, as such, but a great wall seeming to enclose the church and opening out on one side to make room for the cheerful Court of Oranges with its fountain, where come the women for water. All this so disguises the plan that one can form no definite conception of the interior arrangement, and it is only when one enters that there comes the full realization of the wonder and immensity that man has here created. I hope that the visitor will have his first impression as did I, late in the afternoon, when the sun had left the lower church in mellow gloom with here and there a candle-lighted chapel glowing in the dusk and the intricate detail of the high altar and its soaring *retablo* catching the light from the amethyst, ruby and orange glass of the clerestory windows. I am not attempting any detailed description of Seville or any other cathedral. One can, if one wishes, find it handled by many different minds from many different viewpoints,—John Lomas, for instance, Maud Howe, or even that emotional Italian, Edmundo de Amicis, who confesses that he cannot even think of Seville Cathedral without his throat swelling to dangerous proportions, and so to avoid any such calamity, I am risking the wrath of most lovers of Spain by claiming that the Alcazar of Seville can give all and more of Arab detail, color and feeling than can the much-vaunted Alhambra at Granada.

Perhaps I am prejudiced against Granada by painful recollections of the nine-hour railroad journey, the sordid modern lower town, the failure to find lodgings in the pleasant place where I had lived 15 years ago, and the whitewashed,

dusted-up interior of the Arab palace itself, and the reader must pardon this, my one and only period of disappointment of the whole trip. And even the Granada detour had its bright spots, for from the train there passed in stately review the lofty ranges of the Sierra Nevada, its gray-green foothills banded with raw red earth, warm purple slopes and ultramarine peaks snowcapped against a tumble of white clouds, and the great red Alhambra and the little *Generaliffe* snuggled in cypress groves and ilex thickets; all charming, but to repeat, one might well remain in Seville and enjoy at the Alcazar a feast of beautiful arches, walls patterned with marvelous tiles, mosaics and sculpture, fountain courts and gorgeous colored and gilded ceilings; and further controversy as to the comparative superiority of the Arab remains of Seville and Granada may best be avoided by walking out on the bridge of Triana, and if it be at the end of the day, the passing crowd is as entertaining and colorful as a well staged play, set against the background of the Guadalquivir with its shipping and docks.

The patient oxen, single or paired, with red wool headgear hanging over their eyes, draw enormous loads with a slow, heaving lurch, and little gray donkeys with big frowsy heads look out from under burdens so out of scale with the small beasts as to suggest huge piles of fagots trotting along on very diminutive legs. Abused and overloaded as the Spanish donkey seems to be, it was finally decided that he was not to be pitied so much after all, for he is the absolute personification of utter resignation to fate, and one typical case of kindness was when a small brown donkey was slowly fed a long hot dough fritter by the master who towered well over the small back on which he had been riding for many miles. And what an amazing variety of articles are piled on these little beasts! Great bags of clay going to the potters to be spun on the wheels that have been turning for three centuries, and to return in the form of water jars, great basins and the rest of the pottery that has made Triana famous even outside of Spain; huge tin water cans polished to the gray luster of pewter; piles of olive branches destined for the charcoal burners rather than the proverbial peacemakers; odd pieces of furniture; white meal sacks; the colorful *alforjas* or saddle bags; and as often as not a human burden, lounging cross saddle or with legs dangling to the ground, smoking the usual cigarette, and both beast and rider ambling along totally indifferent to the rest of the traffic. And if we stay a bit longer on the bridge, we will see groups of cigarette girls home bound from the tobacco factory; brown cloaked, red capped soldiers back from the Riff war; a bearded Franciscan; a *guapo* or bravo with colored sash and broad-brimmed hat; and his traditional enemy, the *guardia civale,* brave in his gray and yellow tunic and shiny black headgear.

As far as limited time and the chances of the road permitted, it was our intention to see something of the smaller and less frequented towns, and the first step away was to Utrera, a jolly little place an hour's run from Seville. If our reception by the inhabitants was any indication, we must have been the first of our kind to invade its steep and narrow streets. The opening of a camera was enough to block traffic, and our progress was one long procession in which we were the distinguished leaders; it was only by finally ducking through a doorway and shutting the gate that we rid ourselves of our followers and took possession of a very lovely garden, where we were made welcome by its gracious owner. We sat under the flowering lemon trees and sketched, first the great square tower of Santa Maria de la Mesa, and then the beautiful plaster structure over the well in the center of the garden, and we would have been content to spend there the rest of the day but for the lure of further adventure.

The Spanish children who are so much in evidence in these informal gatherings are for the most part happy, pretty little people and enjoyable enough except when they cough down your neck in their eagerness to see your sketch. I never found them malicious, but just bubbling with an easily understood curiosity, and I recall with delight being accompanied by a dozen little boys and girls all, to be sure, spurred on by the hope of a copper reward, uphill and down on a long tramp outside Granada; and when I at last reached my objective and reclined in the shade of an ancient cypress, these little imps, none of them over ten years old, did for me on impulse a wild dance with wriggles, twists, snapping of fingers and all the grown-up mannerisms of the gypsy tradition.

If for no other reason, I place Utrera well in the fore of Spanish towns on account of its cleanliness. Whether this unusual condition were due to the heavy spring rains (of which in a 40-day stay we had 17), or to the industry of its people, it matters not; but white it was, bright and sparkling, and with its main square closed in with snowy house fronts, whose many balconies held pots of scarlet flowers, it was a joy. Not that cleanliness or the lack of it makes one particle of difference to me when weighed in the balance with picturesqueness, and I have no patience with the returned tourist whose only comment on some charming old town is that his sensitive nose was assailed by aggressive odors and that his eyes were forced to view unpleasant sights, which entirely overpowered his appreciation of the often surprising beauties of the place!

THE SPIRIT OF MODERN ART

BY

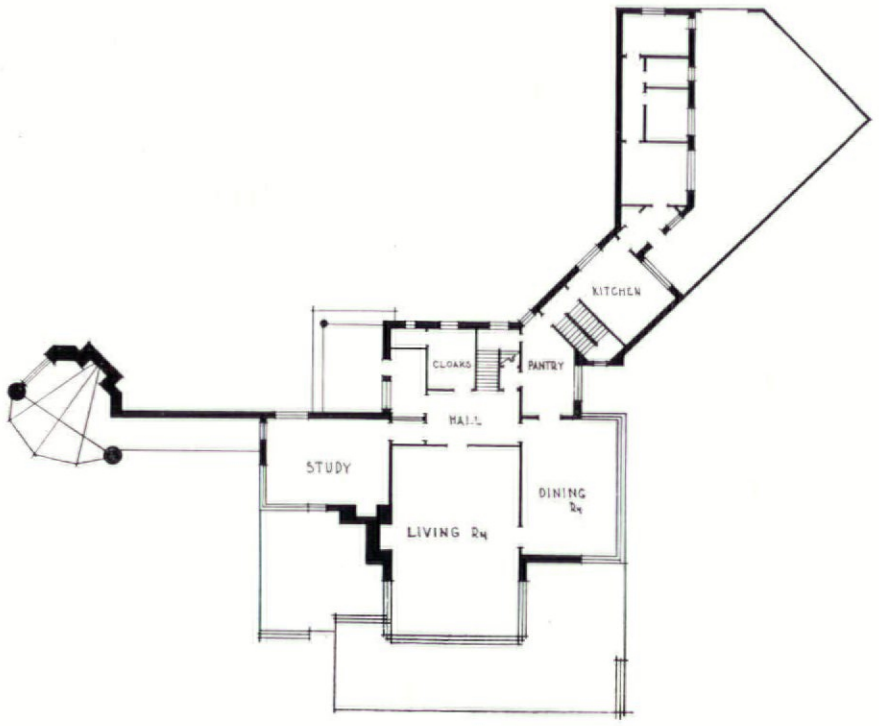
RAYMOND M. HOOD

THERE is no need to tell anyone that art has "gone modern," but very few people know what "going modern" really means. The common conception is that it means a radical change in the looks of things, that the time has arrived when precedent and the accepted standards of beauty are all to be thrown overboard, and that with a new philosophy as a base, new standards and wholly new conceptions of beauty are to be manufactured. Nothing could be further from the truth. The modern movement does not concern itself with looks at all. It does not care whether we abandon or follow precedent, nor is it interested as to whether the new rules of art are derived from the machine, nor even whether there are to be any rules at all. This misconception is the result of the shallow propaganda of the art critics and the dilettante magazines, as well as because of the stupid exploitation by those who traffic in art. For there is in the new movement such a value, both as news and otherwise, that nobody in the business of exploiting art has made any attempt to dig beneath the surface to find out what modern art really is. They have merely dished out what they found on top, made a grand living out of it, and let it go at that.

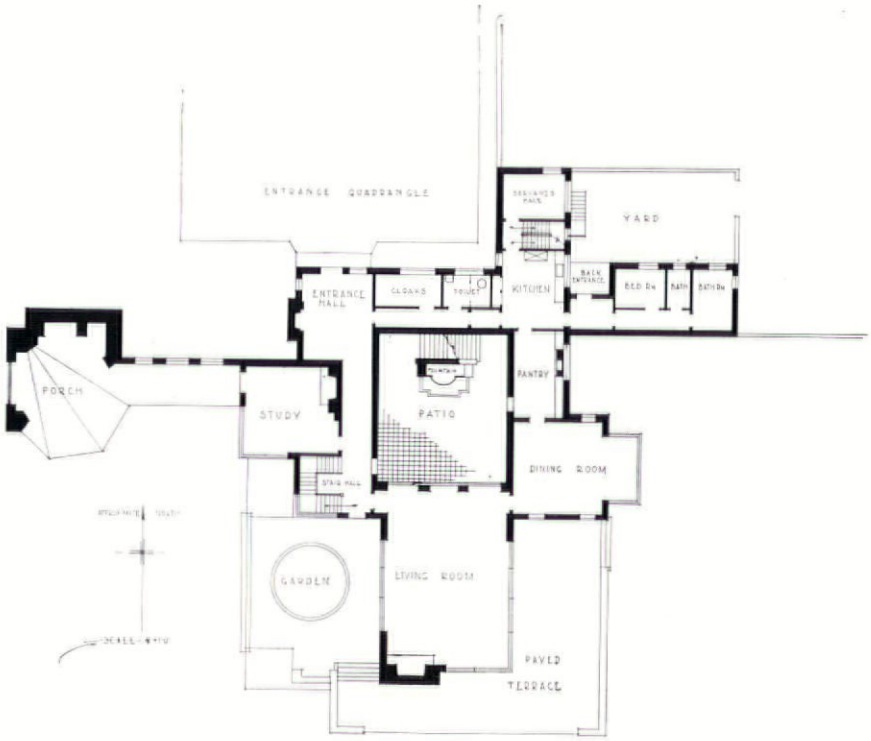
There is a general idea that after a certain length of time a style of art must be changed, merely because it has become monotonous, and because people tire of one aspect of things. Minor changes and fashions of the moment may be explained that way, but the reason for great changes, such as the development of Greek or Gothic art, lies much deeper than that. And the movement that is going on today transcends in importance even movements of those epochs, great as they were. I doubt if a new era of art has ever developed where a desire for a change of appearance, or a change for the sake of a change, had less to do with it than is the case today. If anything, it is safe to say that people had never been more content with the looks of things than they were just prior to the time when the modern movement began to take form. Certainly the antique business bore witness to this fact. Patronizing art was a comfortable and easy pastime. The rules were well formulated, and with the authority of centuries behind them, they were generally accepted. Standards were so well established that beauty could be determined almost by rule of thumb, and a certified work of art had a value as sound as a government bond. There was nothing disconcerting in the business for either the artist, the merchant or the buyer. Everybody was happy as far as looks and beauty were concerned, yet it was at this very time when art and beauty were so comfortably organized, so apparently secure in their hold on the imagination of people, that the modern movement began to force itself upon us.

The truth is that, way down deep, art was really in a bad way. For centuries the romantic sentimentalist and the artistic genius, with his capacity for giving infinite pain, had been in the saddle. They held a tight rein, and their authority was bolstered up by everything that was called culture and tradition. Art had become a smug, fashionable game in which the world was the victim, for while the world paid the bill, the artist took nothing seriously save himself. He might be commissioned to create something to achieve a certain purpose, or to express a particular idea, but from his point of view the only purpose to be achieved was the perpetuation of his own brand of beauty, and the only thing to be expressed was his own soul. Creative work might be stimulated and paid for by others, but for him it was only an opportunity to express himself and his cult and to achieve immortality. Humbly doing the business that was set before him to do was not in his code of ethics. A timid remonstrance that a table was not suited to its purpose or that it was rickety, elicited a scornful reply that if this slight sacrifice could not be made to beauty, it would be better not to have a table at all. A person brave enough to insist on an article's being useful got in return a contemptuous toss of the head and was promptly put back in his place along with the other low-brows. The public was bullied, browbeaten and buried beneath an avalanche of historical reminders about the Greeks, the Medici, and men of the other golden ages when people lived, suffered and died for beauty.

A mechanic would make a comfortable chair, and a designer would calmly ruin it in the interest of art. A railroad company would try to build a station, and its architect would blandly set aside one after another of the practical elements that had been worked out, because they prevented his developing in the building his theory of composition and beauty. The chair designer would not permit the chair manufacturer to make a good chair, neither would the architect permit the railroad company to build a good station. The mentality of the designer, at times, was so far twisted that the chair must be built to satisfy Mr. Hepplewhite, and the station Tiberius Cæsar, in spite of the fact that both have been dead for a long while, and neither of them would either pay for or use

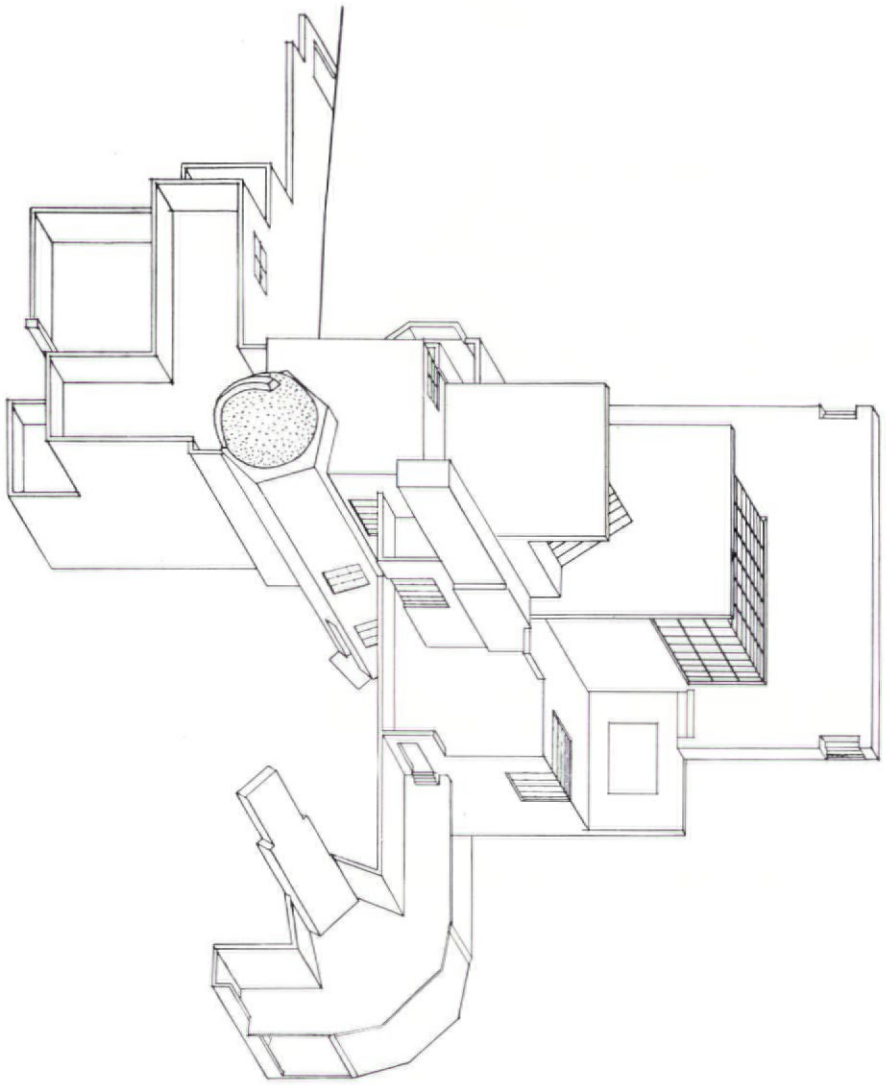


SCHEME W

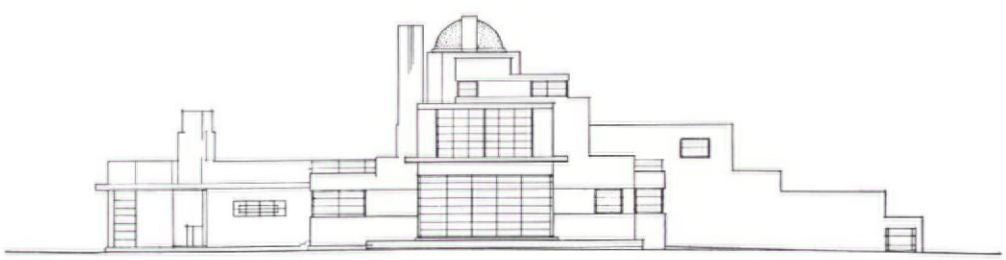


SCHEME X

TWO PLANS FOR A MODERN HOUSE
JOHN M. HOWELLS AND RAYMOND M. HOOD, ARCHITECTS



BIRD'S-EYE PERSPECTIVE, SCHEME W



SOUTH ELEVATION OF SCHEME W

DESIGN FOR A MODERN HOUSE

JOHN M. HOWELLS AND RAYMOND M. HOOD, ARCHITECTS

the object that had been designed to suit him.

To take an example from my own profession, the architect might tell you that the symmetry, the balance of a composition, or the character of the exterior would prevent your having a room of the size and character you required. He might even prevent your putting windows and doors in the places they should go for the comfort of living, for similar æsthetic reasons. In fact, art had become a hard master, and yet in spite of its pretentiousness, it was really shallow. It concerned itself only with externals,—how it impressed people,—and it paid little heed to what went on underneath. It was like a man who insists on being perfectly dressed and on having perfect manners, but who pays no attention to his character.

It is against this despotic sway that modern art has risen in revolt, and it is not because the old rules of composition, color harmony, unity and so on must go by the board. The artist or critic who tells you that tempo, rhythm, dynamic symmetry, color discordance, motion, pattern, or the inspiration of the machine are the basic qualities of the new art, is passing out the same old hypocrisies that the new art is trying to overcome. These qualities may occur in modern art, but they are incidental and not essential to it. Modern art involves a sincere attempt to be honest. If a man asks for a fork, he isn't offered a spoon. If he wants a work bench, he isn't given an Italian altar piece. If the glare of a light hurts his eyes, he is not told that his eyes are wrong; the fixture is re-designed. A door is a door, something to walk through, something to open and shut, not a recall of a dominant motif in a facade, nor the expression of some æsthetic emotion. And the same spirit, the same effort, is the basis of all modern design, from that of the pen holder up to that of the great skyscraper. We try to be honest and give a man, his ideas and his money an even break.

To put the case briefly, the modernist is trying to "debunk" art. He reverses the common philosophy of the past centuries, when the manner of doing a thing, its form and appearance had become more important than the thing itself, when the iron-clad rules of art and beauty came first and utility trailed along as best it could. Today utility leads the way, and although the result may not always send emotional shivers of beauty up the spine, it offers a good substitute in that it satisfies the intellect. The practical elements of a problem are solved before our old friends, — art and beauty,—are given a crack at it. So, if chromium is used in modern work, it is not because it is the fashionable metal of the new period, but because it is more practical, cleaner and requires less care than other metals in the same place. When plain surfaces and color decorations take the place of elaborately modeled forms and ornament, it is not because simplicity and color constitute the keynote of modern art, but because to produce the elaboration and ornament of the older styles required an effort and cost far out of all proportion to the importance of decoration, and because the article is more serviceable when done in a simpler fashion. That appearance of things has changed is inevitable, for in his search for truth and honesty, the designer of today must avail himself of every new material and process that is superior to the old. And in so doing, the inherent qualities in the new materials and processes that he uses force a new external expression.

I need hardly point out that the new movement has freed the spirit not only of the designer, but of the world at large. Art is no longer cloistered religion, shrouded in mystery in order to better keep up its authority. We do not have to stand in awe of it lest we be outcasts from the world of culture. We need not fear when we ask for bread that the artist will give us a stone. We ask for what we need and we get it,—and, strange to say, the artist now tells us that this is the only true path that leads to beauty—and that real beauty is only achieved when utility is the goal. For ages we have been searching frantically all over the world for the path to beauty, and now we have come to find that the path lay at our feet all the time, and that common sense and logic will keep us in it if we will only accept and use it.

I am far from saying that all the artists who have "gone modern" have turned away from the hypocrisy and cant of the periods gone by, and that those who haven't are still sunk in sin. Many who have adopted the external trappings, the color, decorations and details of modernism are far less modern than others whose work may still bear an external resemblance to that of older periods, but whose conception is fundamentally modern. In fact the same fellows who were hypocritical and dishonest in their art yesterday, are hypocritical and dishonest in their art today, no matter how they may be classified in the public mind. The sincere artists through all ages have worked as honestly as the sincere modernist is working today. The only difference is that now he can come out into the light, without fear, for at last he has the weight of opinion and culture at his back. The man in the saddle today is the artist who wants to help and not to clutter up the path of progress. The man who says "It can't be done, because it wouldn't be beautiful," is supplanted by the man who says "Of course it can be done." It is the beginning of a great era for the world, as well as for the worker in all fields of art.

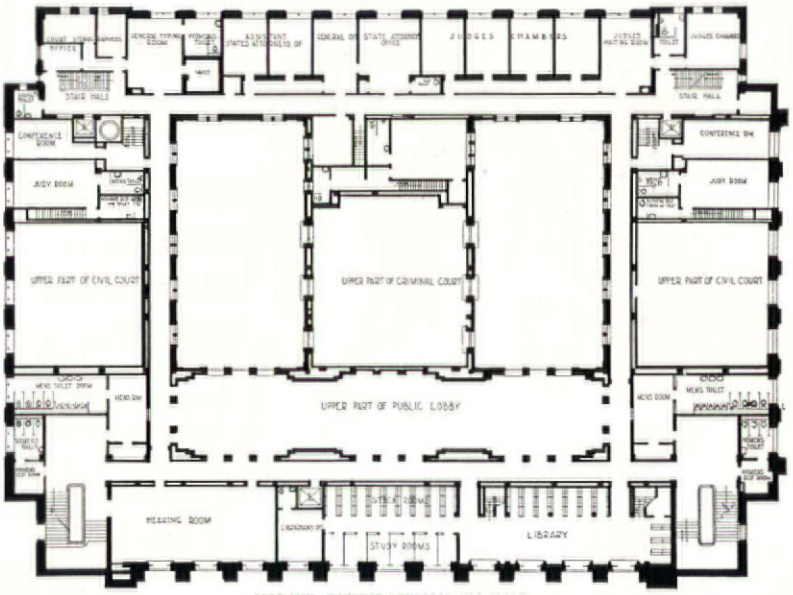


Photos. Sigurd Fischer

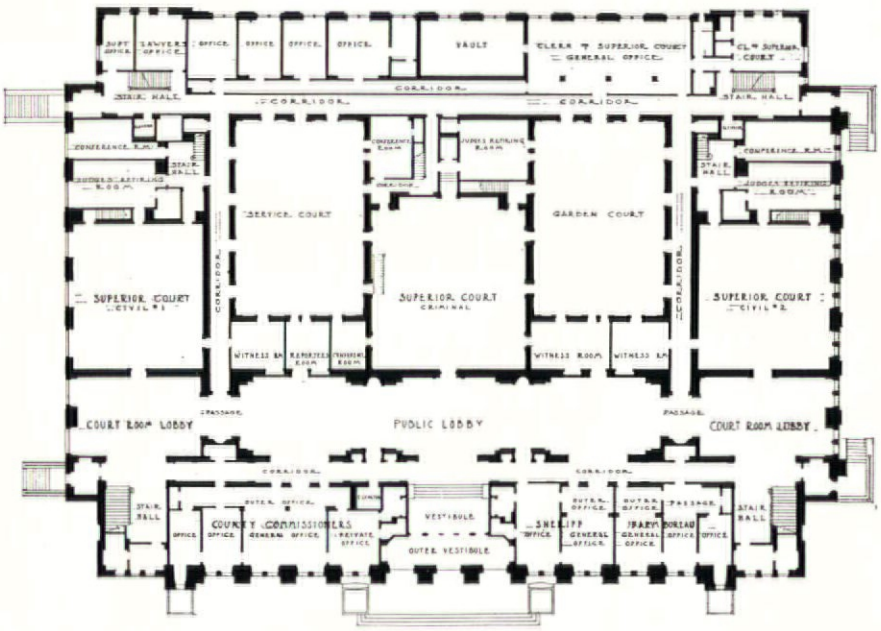
Plans on Back

HARTFORD COUNTY BUILDING, HARTFORD

PAUL P. CRET AND SMITH & BASSETTE, ASSOCIATED, ARCHITECTS



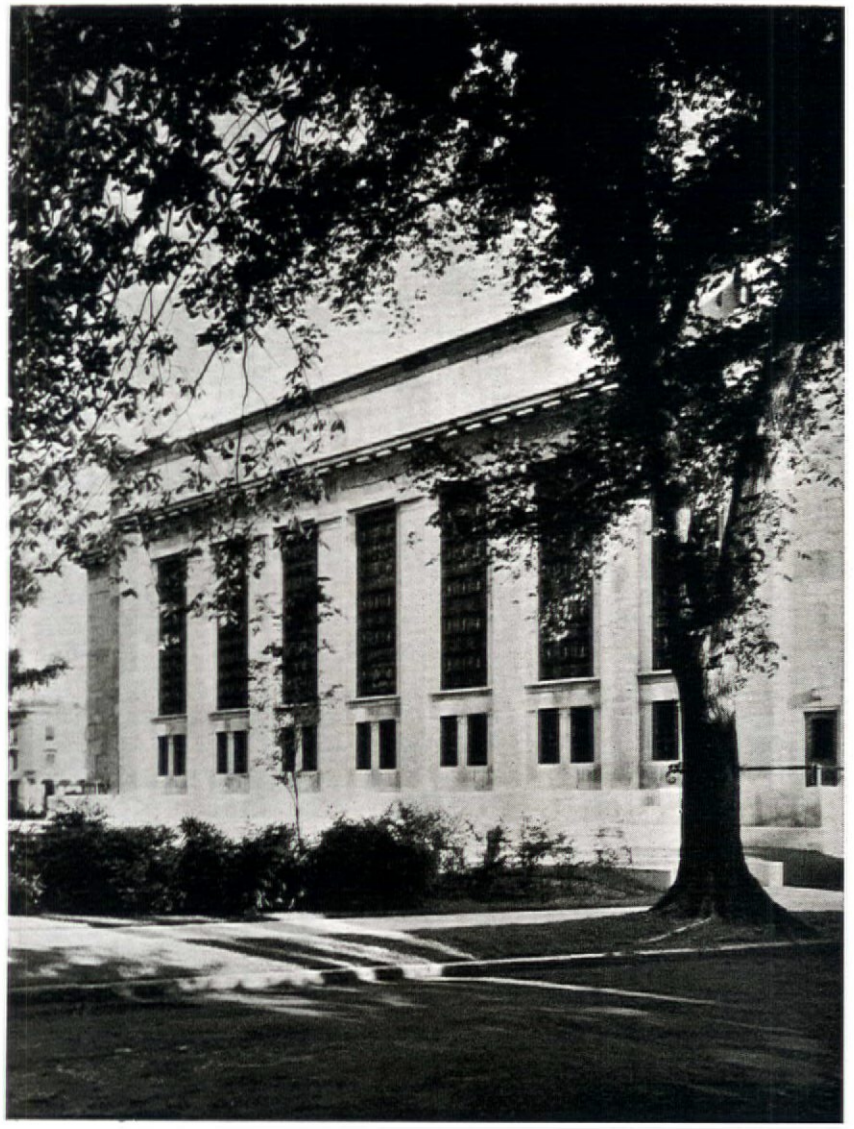
FIRST MEZZANINE FLOOR



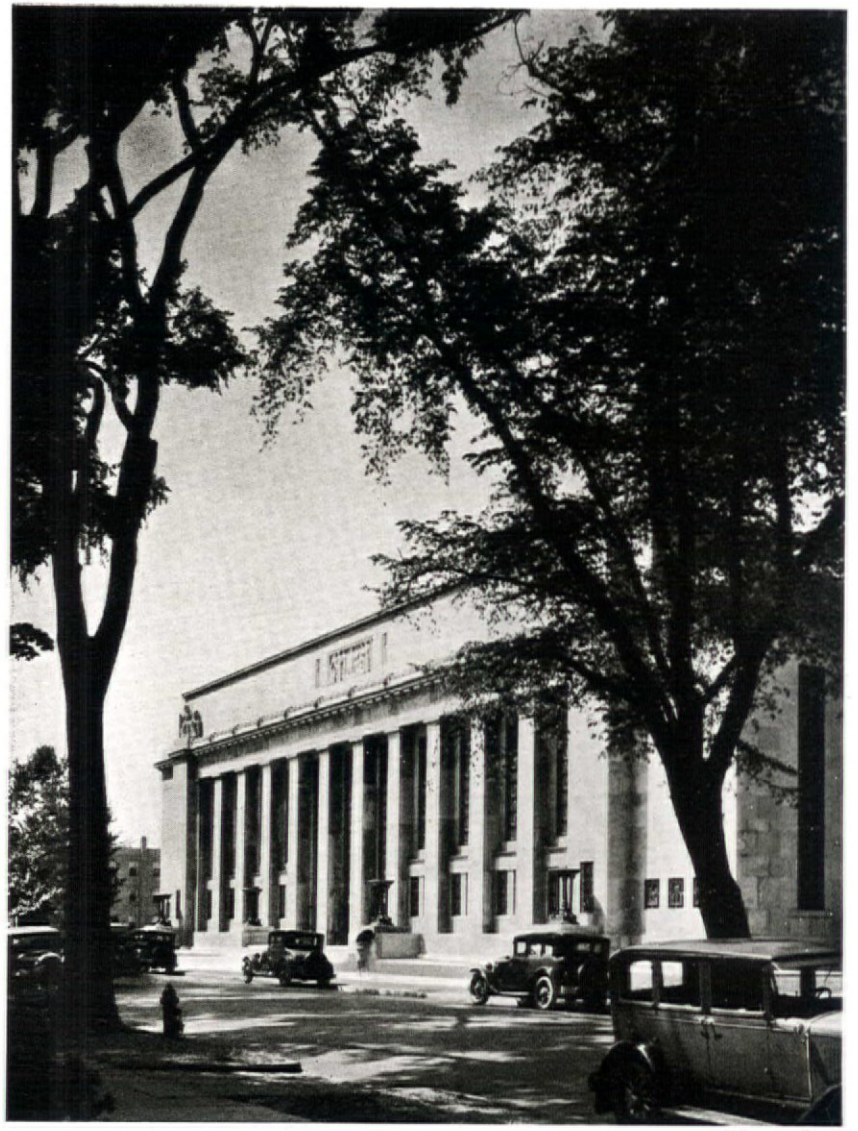
FIRST FLOOR

PLANS. HARTFORD COUNTY BUILDING, HARTFORD

PAUL P. CRET AND SMITH & BASSETTE, ASSOCIATED, ARCHITECTS



NORTH ELEVATION

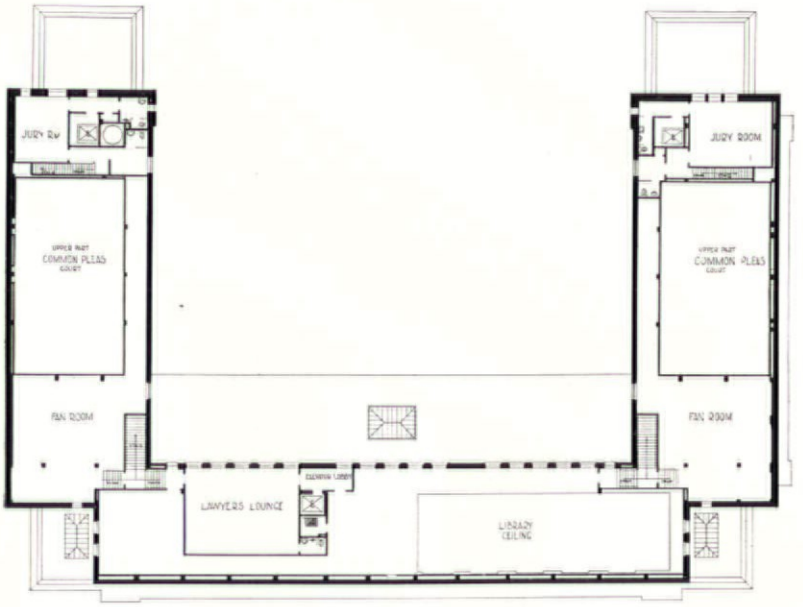


FRONT ELEVATION

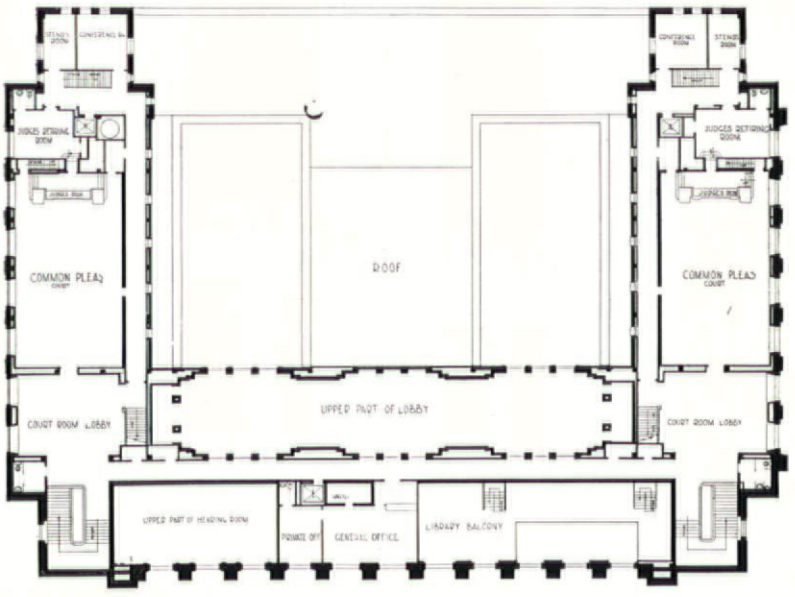
Plans on Back

HARTFORD COUNTY BUILDING, HARTFORD

PAUL P. CRET AND SMITH & BASSETTE, ASSOCIATED, ARCHITECTS



THIRD FLOOR



SECOND FLOOR

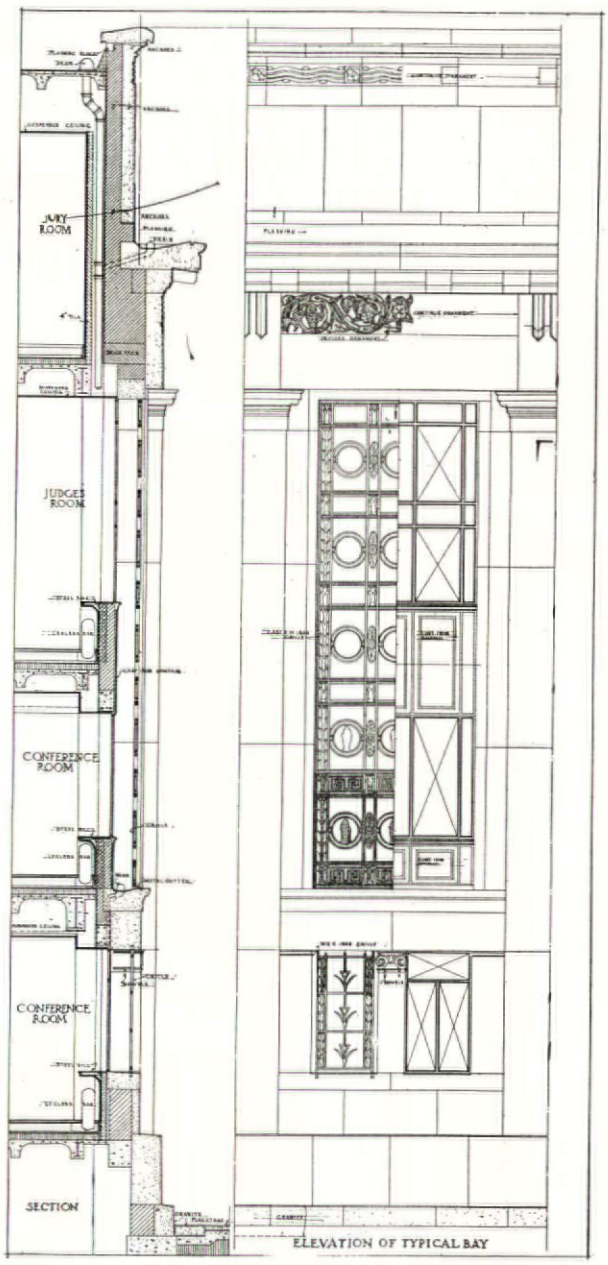
PLANS. HARTFORD COUNTY BUILDING, HARTFORD

PAUL P. CRET AND SMITH & BASSETTE, ASSOCIATED, ARCHITECTS



Detail on back

PART OF NORTH ELEVATION
HARTFORD COUNTY BUILDING, HARTFORD
PAUL P. CRET AND SMITH & BASSETTE, ASSOCIATED, ARCHITECTS



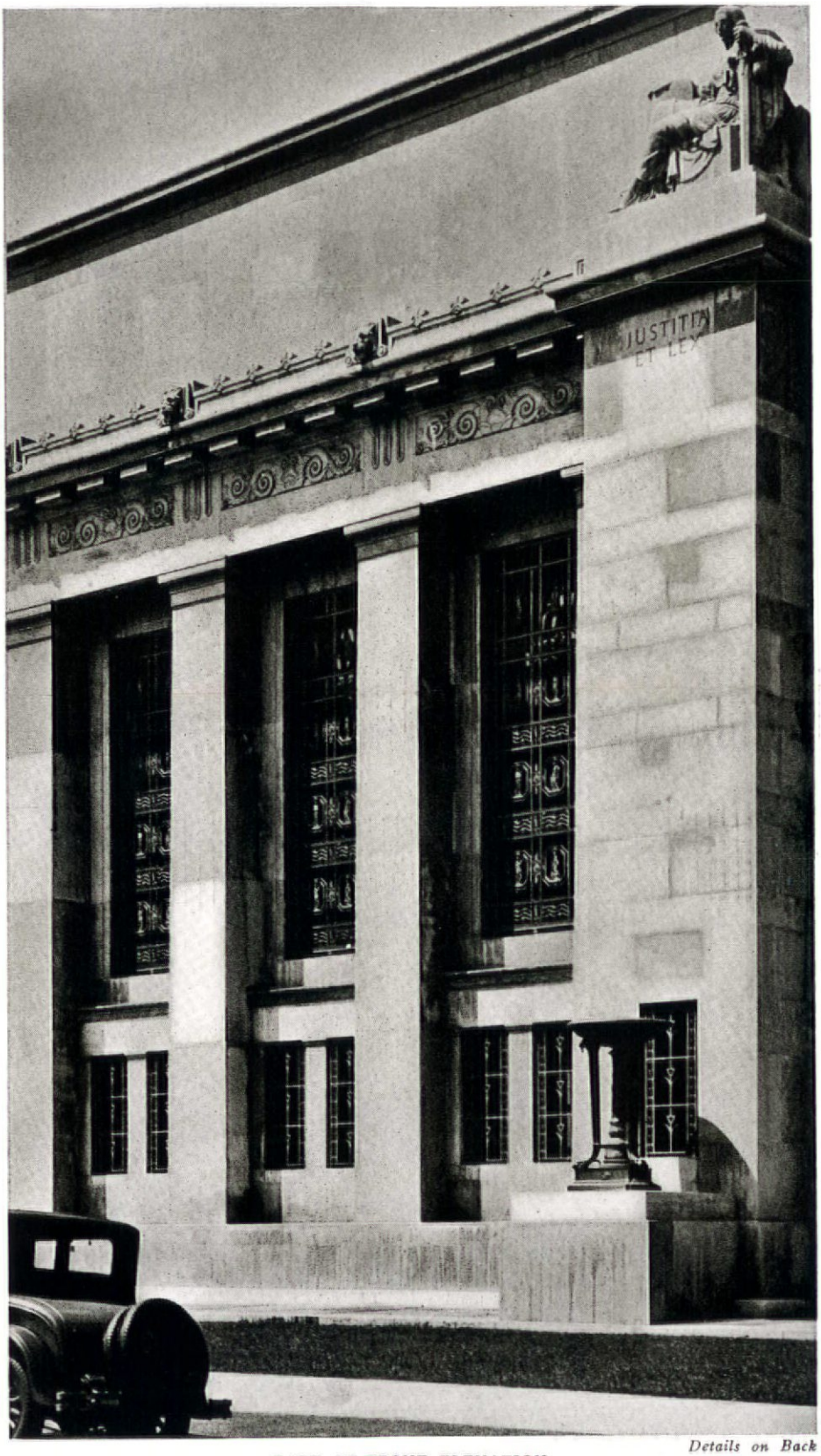
A TYPICAL BAY

NOV. 1929

DETAIL. HARTFORD COUNTY BUILDING, HARTFORD
PAUL P. CRET AND SMITH & BASSETTE, ASSOCIATED, ARCHITECTS

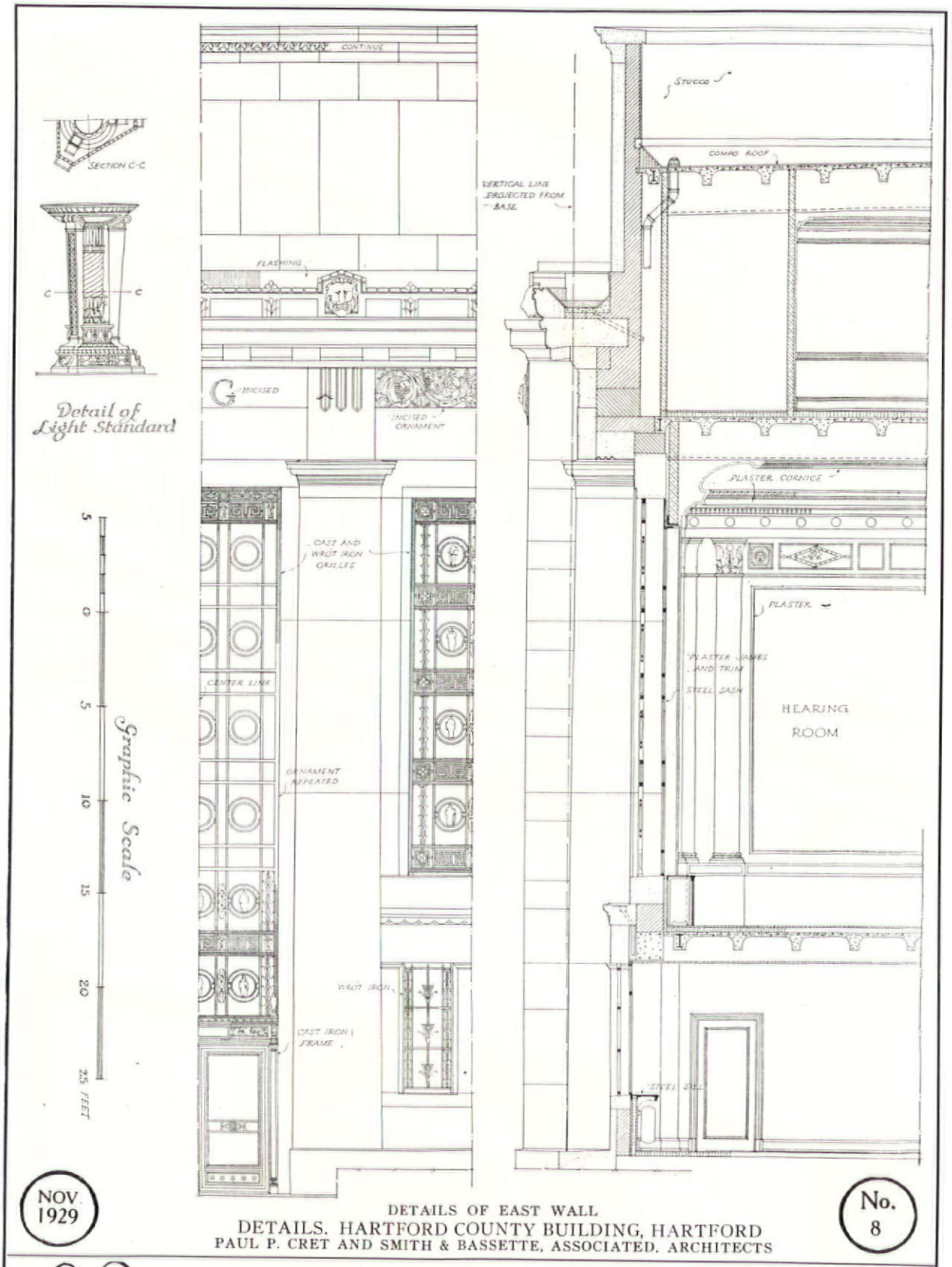
No. 7

The ARCHITECTURAL FORUM DETAILS



Details on Back

PART OF FRONT ELEVATION
HARTFORD COUNTY BUILDING, HARTFORD
PAUL P. CRET AND SMITH & BASSETTE, ASSOCIATED, ARCHITECTS



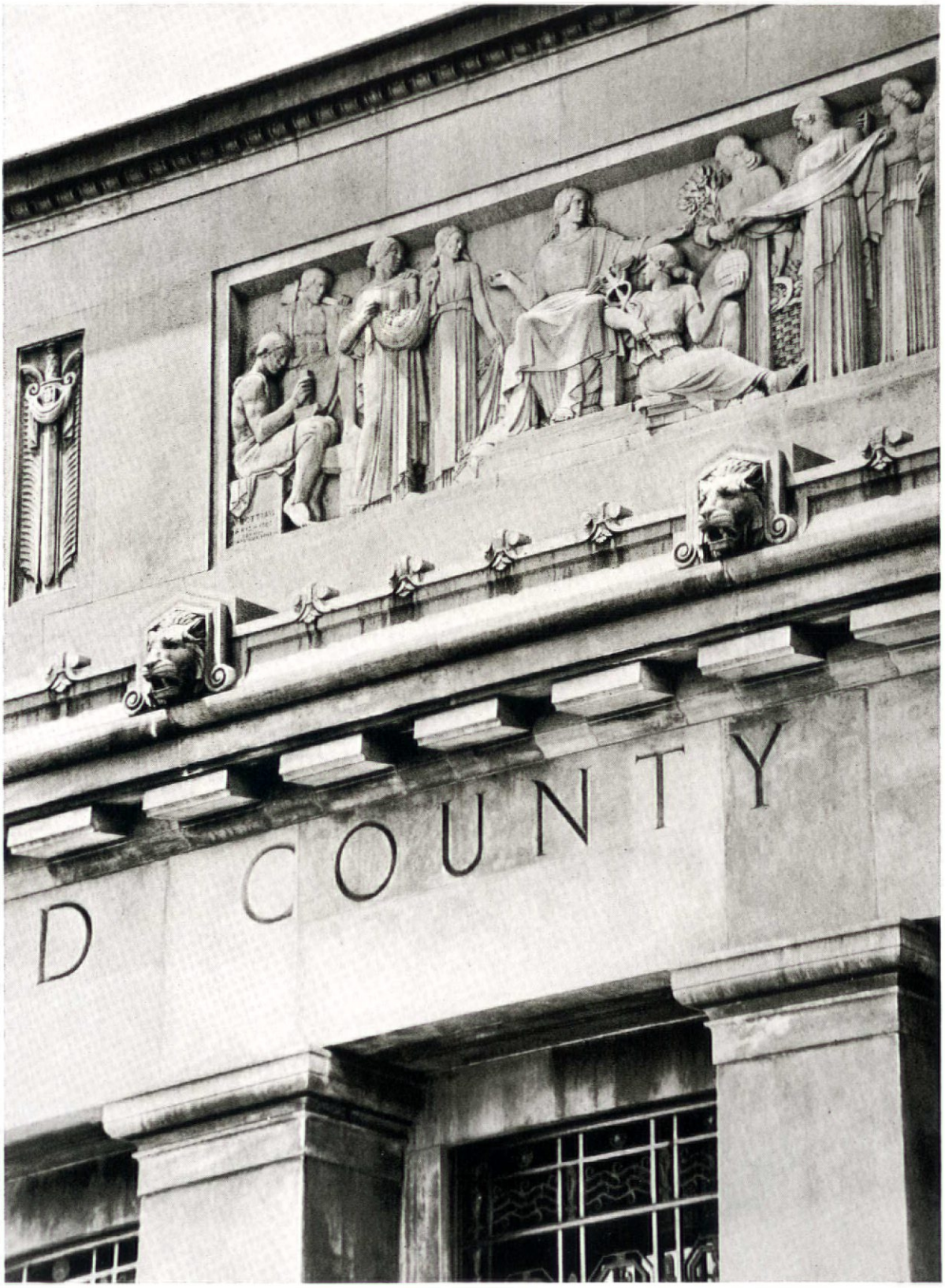
NOV. 1929

DETAILS OF EAST WALL

DETAILS. HARTFORD COUNTY BUILDING, HARTFORD

PAUL P. CRET AND SMITH & BASSETTE, ASSOCIATED. ARCHITECTS

No. 8



SCULPTURE, FRONT ELEVATION
HARTFORD COUNTY BUILDING, HARTFORD
PAUL P. CRET AND SMITH & BASSETTE, ASSOCIATED, ARCHITECTS



SCULPTURE, FRONT ELEVATION
HARTFORD COUNTY BUILDING, HARTFORD
PAUL P. CRET AND SMITH & BASSETTE, ASSOCIATED, ARCHITECTS

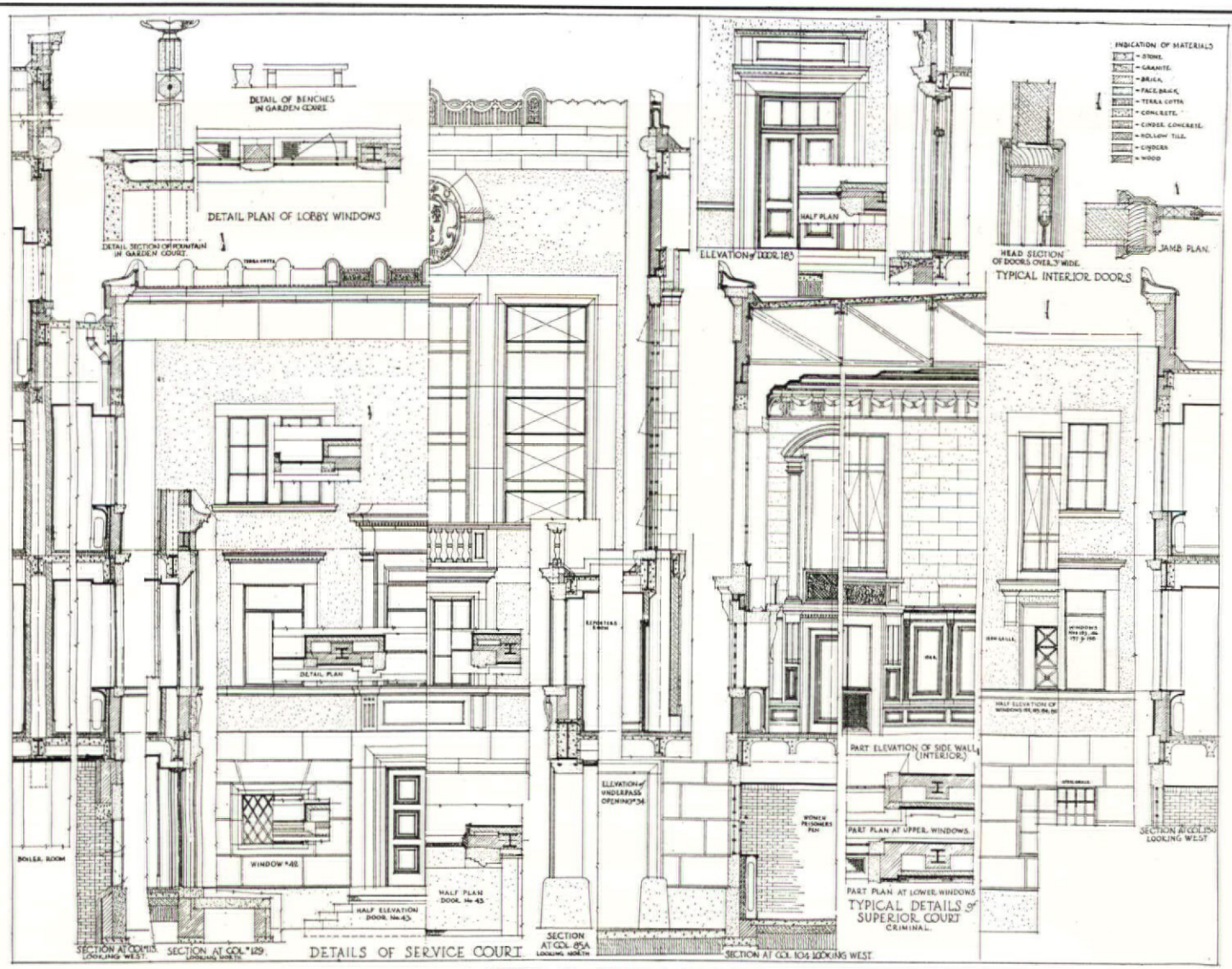


Details on Back

COURTYARD

HARTFORD COUNTY BUILDING, HARTFORD

PAUL P. CRET AND SMITH & BASSETTE, ASSOCIATED, ARCHITECTS



NOV. 1929

A SHEET OF TYPICAL DETAILS

DETAILS. HARTFORD COUNTY BUILDING, HARTFORD

PAUL P. CRET AND SMITH & BASSETTE, ASSOCIATED, ARCHITECTS

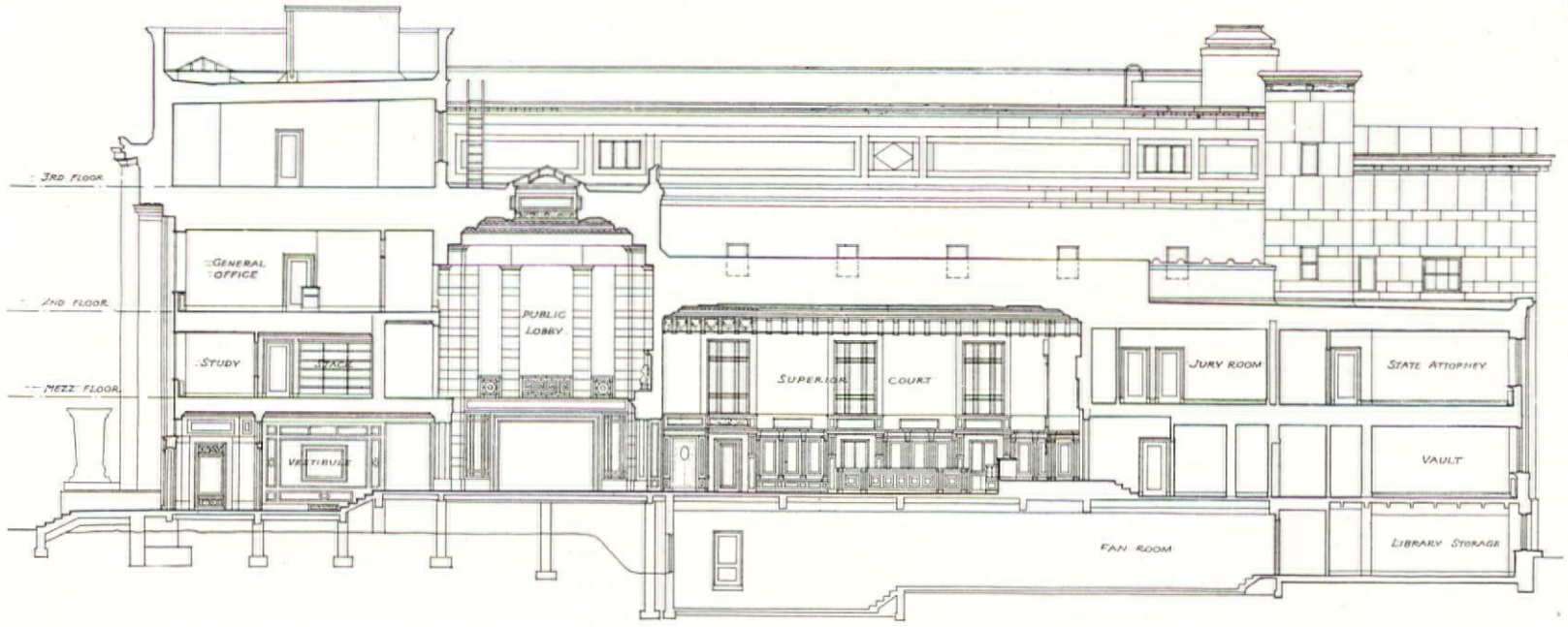
No. 9

The ARCHITECTURAL FORUM DETAILS



Detail on Back

MAIN LOBBY
HARTFORD COUNTY BUILDING, HARTFORD
PAUL P. CRET AND SMITH & BASSETTE, ASSOCIATED, ARCHITECTS



Longitudinal Section looking South.

Graphic Scale

10 0 10 20 30 40 50 60 70 80 90 100

NOV. 1929

DETAIL. HARTFORD COUNTY BUILDING, HARTFORD

PAUL P. CRET AND SMITH & BASSETTE, ASSOCIATED, ARCHITECTS

No. 10



UPPER PART OF MAIN LOBBY
HARTFORD COUNTY BUILDING, HARTFORD
PAUL P. CRET AND SMITH & BASSETTE, ASSOCIATED, ARCHITECTS



ENTRANCE TO CRIMINAL COURT ROOM
HARTFORD COUNTY BUILDING, HARTFORD
PAUL P. CRET AND SMITH & BASSETTE, ASSOCIATED, ARCHITECTS



LIBRARY

HARTFORD COUNTY BUILDING, HARTFORD

PAUL P. CRET AND SMITH & BASSETTE, ASSOCIATED, ARCHITECTS



CRIMINAL COURT ROOM



SPECIAL HEARING ROOM

HARTFORD COUNTY BUILDING, HARTFORD

PAUL P. CRET AND SMITH & BASSETTE, ASSOCIATED, ARCHITECTS



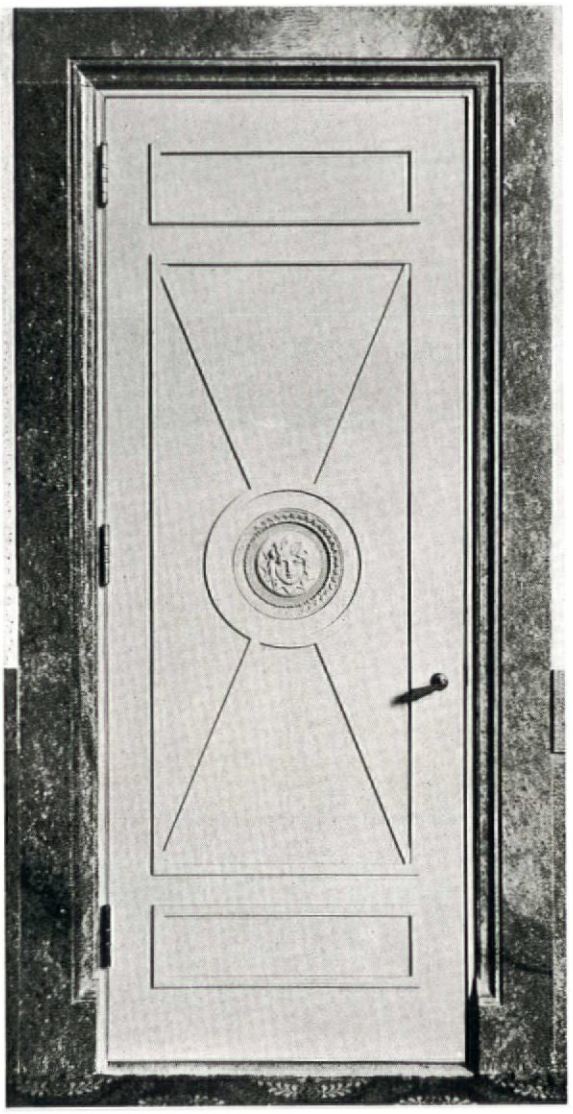
DETAIL, CRIMINAL COURT ROOM
HARTFORD COUNTY BUILDING, HARTFORD
PAUL P. CRET AND SMITH & BASSETTE, ASSOCIATED, ARCHITECTS



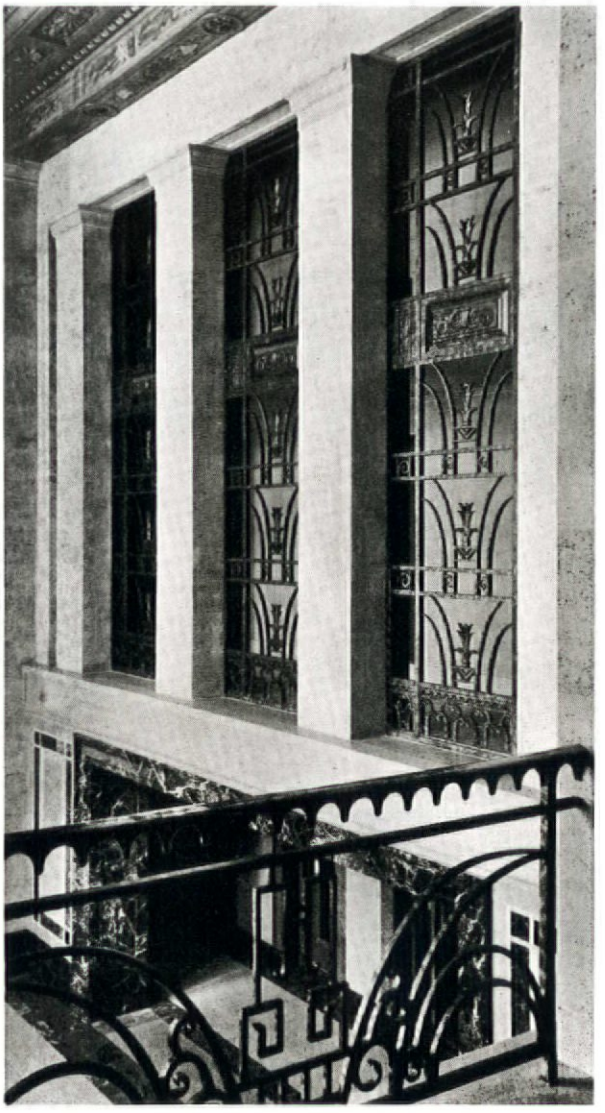
DETAIL, SPECIAL HEARING ROOM
HARTFORD COUNTY BUILDING, HARTFORD
PAUL P. CRET AND SMITH & BASSETTE, ASSOCIATED, ARCHITECTS



GENERAL COURT ROOM
HARTFORD COUNTY BUILDING, HARTFORD
PAUL P. CRET AND SMITH & BASSETTE, ASSOCIATED, ARCHITECTS



DOOR IN SPECIAL HEARING ROOM



METAL WORK, MAIN LOBBY

HARTFORD COUNTY BUILDING, HARTFORD

PAUL P. CRET AND SMITH & BASSETTE, ASSOCIATED, ARCHITECTS

THE BARCELONA EXPOSITION
A SPLENDID BUT COSTLY EFFORT OF THE CATALAN PEOPLE

BY

WILLIAM FRANCKLYN PARIS

NOTHING so reflects the character of a nation as its proverbs. The brief, pithy apothegms that fall trippingly from the lips of the man in the street are the distilled essence of centuries of observation and self-analysis; they are the pearls of wisdom handed down from generation to generation; they express the beliefs, the ethics, the morals, the spirit of a people.

To all the world, the word *"Manana,"* which is a condensation of the proverb "Tomorrow will be time enough," has epitomized the indolent character of the Spanish people. The Spanish have always been reactionary. Spanish writers from the eighteenth century down to the day before yesterday wrote of the grandeur that was Spain and concluded with the fatalistic epitaph *"Espana Fuit."* Industry and trade were matters of contempt. To quote a sententious proverb: *"Iglesia O mar, O casa real quien quiere medrar,"*—"He that would succeed, let him enter the Church, the navy or the king's service."

Hard work is not highly prized among the Spaniards. One of their proverbs has it: *"Mas vale al que Dios ayuda que al que mucho madruga;"* in other words, "He whom God helps need not get up early in the morning." They believe that luck brings greater rewards than honest toil, and many of their proverbs reflect this conviction. *"Contra fortuna,"* they say, *"no vale arte ninguna"*: "Against hard luck all art is powerless"; *"All desdichado poco le vale ser esforzado"*: "If you are unlucky, there is no use trying"; *"Fortuna te de Dios, hijo, que el saber poco te basta"*: "God give you luck, son, for knowledge will serve you but little"; *"Poco te importa el ser sabio si no fueres venturoso"*: "Little will it serve you to be wise if you are not lucky as well." As for ambition, its value is appraised in the proverb "What's the use of anything? A man who is born a *cuarto* isn't going to turn out a *peseta.*"

In the face of all this evidence of the procrastinating temperament of the Spaniard, of his satisfaction with things as they are, of his skepticism as to the efficacy of hard work, one is struck with amazement by the splendid demonstration of energy just made in Barcelona where an International Exposition on a scale rivaling that of the expositions of Paris, London or Chicago is being held for the edification of the entire world. When one has been two days in Barcelona, however, one will have had the enigma explained, and when the visitor gets away from the Exposition he will carry with him a special admiration and respect for a particular and distinct type of Spaniard, a Spaniard who believes in hard work and progress,—a Catalan.

Catalonia has its own way of seeing things. As far back as the time of the Spanish-American war it replied to the Castilian cry of "Spain



Maria Christina Avenue, Barcelona Exposition



NIGHT VIEW, BARCELONA EXPOSITION



GENERAL VIEW, BARCELONA EXPOSITION



NIGHT VIEW, NATIONAL PALACE, BARCELONA EXPOSITION



NATIONAL PALACE, BARCELONA EXPOSITION



Maria Christina Avenue, Barcelona Exposition

knows how to die" by the cry of "Catalonia knows how to live." The Catalan point of view has ever been the opposite of the Spanish or Castilian point of view. Madrid governs; the other provinces are passive. Catalonia has an individuality, and it loses no occasion of asserting it. Barcelona pays in taxes to the government one seventh of the national budget and receives practically nothing in return, the cost of the military defences, of the improvement of the port, etc. having been borne entirely by the municipality. The Catalan people occupy the eastern part of the peninsula and the Balearic Islands, and Catalonia extends over 68,000 square kilometers, a territory three times larger than Belgium. Its population exceeds six millions, and as far back as 1885 it sent a petition to the king asking autonomy. This having been denied, a separationist party was formed which is daily growing in numbers. The Catalans are Catalans first, last, and all the time. They have their own dialect, and they print their newspapers and school books in Catalan. They will shoulder the cost of the Exposition,—a ruinous cost,—but they want the credit for doing it. The tax payers of Barcelona have already disbursed 160 million *pesetas* in connection with the construction and maintenance of the Exposition buildings and grounds, and of this amount only 10 million *pesetas* was contributed by the State. The Catalans will even tell you that the Exposition of Seville was deliberately encouraged and its promoters financially assisted by the government to embarrass the promoters of the Barcelona Exposition, to curb Catalonian pride and to nullify its propaganda. The regional spirit is strong in Barcelona, and this is probably an exaggerated view, but it is no secret that Madrid is jealous of Barcelona and envies its prosperity.

What has added to the costliness of the Exposition is the fact that the only available site for it was the side of the mountain of Montjuich, which dominates Barcelona on the south. An area of 400 acres of steep hillside had to be converted into a magnificent park graded into a series of terraces connected by easy slopes. The head landscape architect of Paris, M. Forrestier, was called in, and there is no doubt that he has given Barcelona as noble a series of terrace gardens as are to be found anywhere in Europe. The fact remains, however, that the Park of Montjuich is built on the side of a steep and lofty mountain, and that its ascent involves some puffing. Visitors to the Exposition who view it in the orthodox



Magic Fountain Square, Barcelona Exposition

way, from the base to the summit, have a laborious time of it, and one viewing it from the top down has the inconvenience of viewing the buildings from the rear or from some angle not contemplated by the architects.

The monumental gate to the Exposition is at the base of Montjuich Hill. It opens off an oval plaza, designated as the Plaza de Espana, at the center of which is a monumental fountain designed by the architect, Jose Maria Jujol, with sculpture symbolizing the Tagus, the Guadalquivir and the Ebro, by Miguel Blay. On the side of the plaza upon which the entrance is located, two colonnaded buildings serve as wings to two rectangular towers rising to the height of 47 meters and obviously inspired by the campanile in Venice. The structures that flank these two towers are built on a concave curve, with a Renaissance peristyle for the Transportation Building and a Grecian peristyle for the Palace of Dress. The first is by the architects A. Florensa and F. de Azua, and the second by J. M. Jujol and A. Calzada. There is nothing particularly original about either, and they reflect, as do most of the Exposition's buildings, a respect for tradition and a close following of the models of the past. The influence of the Paris Exposition of Art Moderne of 1925 has not been felt by the architects of the Barcelona Exposition.

On the main axis with the monumental entrance runs a broad avenue, at the head of which, on an elevation of several hundred feet, reached by the pedestrian by ascending a million steps disposed on either side of a wide cascade, is the *clou* of the Exposition, the National Palace, a huge edifice covering 32,000 square meters and containing an auditorium seating 20,000. This is a well balanced structure, designed by the architects D. Enrique Cata and Pedro Cendoya from two perfectly good models,—the Escorial and St. Peter's in Rome. It has side towers rising to a height of 60 meters, a little ornate in design, but the ensemble strikes the eye with perfect expectedness and does not offend, unless lack of inventiveness and originality constitutes offence.

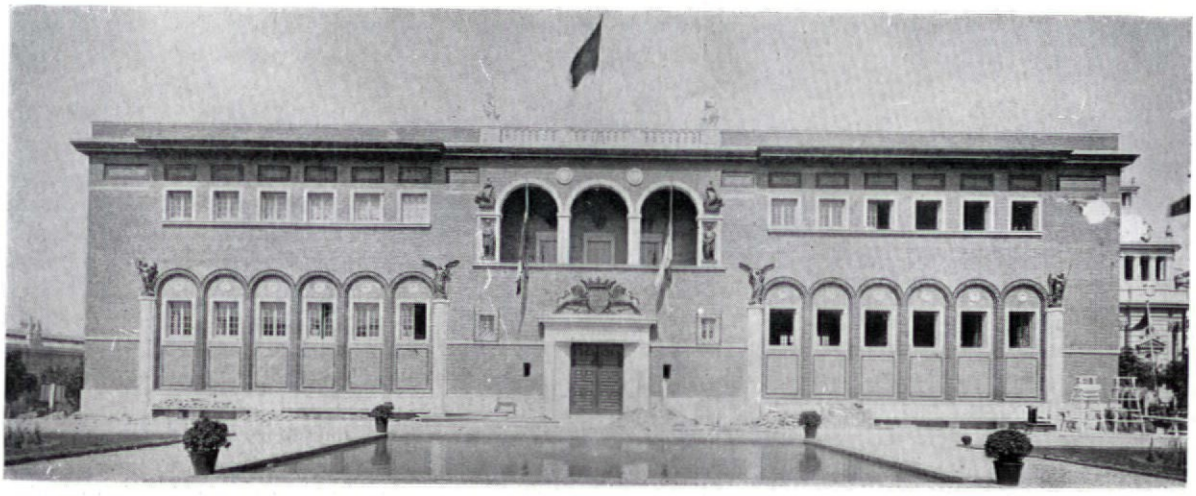
If so, the Moderns will criticize the State Building, by the architect Antonio Darder, which is almost a reproduction of the Monterey Palace at Salamanca, and the Palace of Deputations by Enrique Sagnier, a pleasing symmetrical structure of Gothic Plateresque architecture, the prototype of which may be found in many Spanish municipalities. This thraldom to old formulæ is less apparent in the Textile Building by Juan Roig



NATIONAL PALACE



COMMUNICATIONS AND TRANSPORTS PALACE
A. FLORENSA AND F. DE AZUA, ARCHITECTS



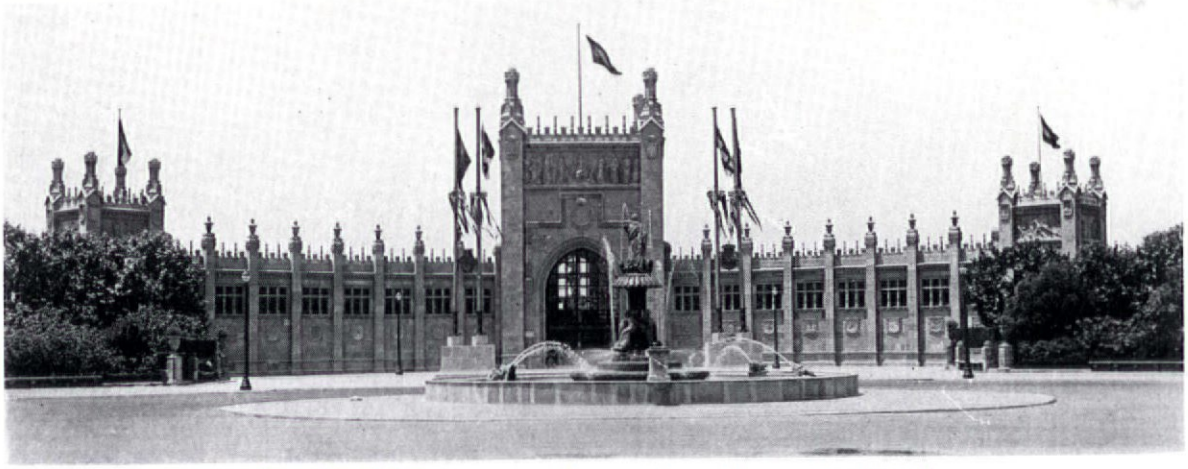
PAVILION OF THE CITY OF BARCELONA, BARCELONA EXPOSITION
JOSE GODAY, ARCHITECT



MODERN ART PALACE
ANTONIO DARDER, ARCHITECT



PALACE OF DRESS
J. M. JUJOL AND A. CALZADA, ARCHITECTS



PALACE OF DEPUTATIONS, BARCELONA EXPOSITION
ENRIQUE SAGNIER, ARCHITECT



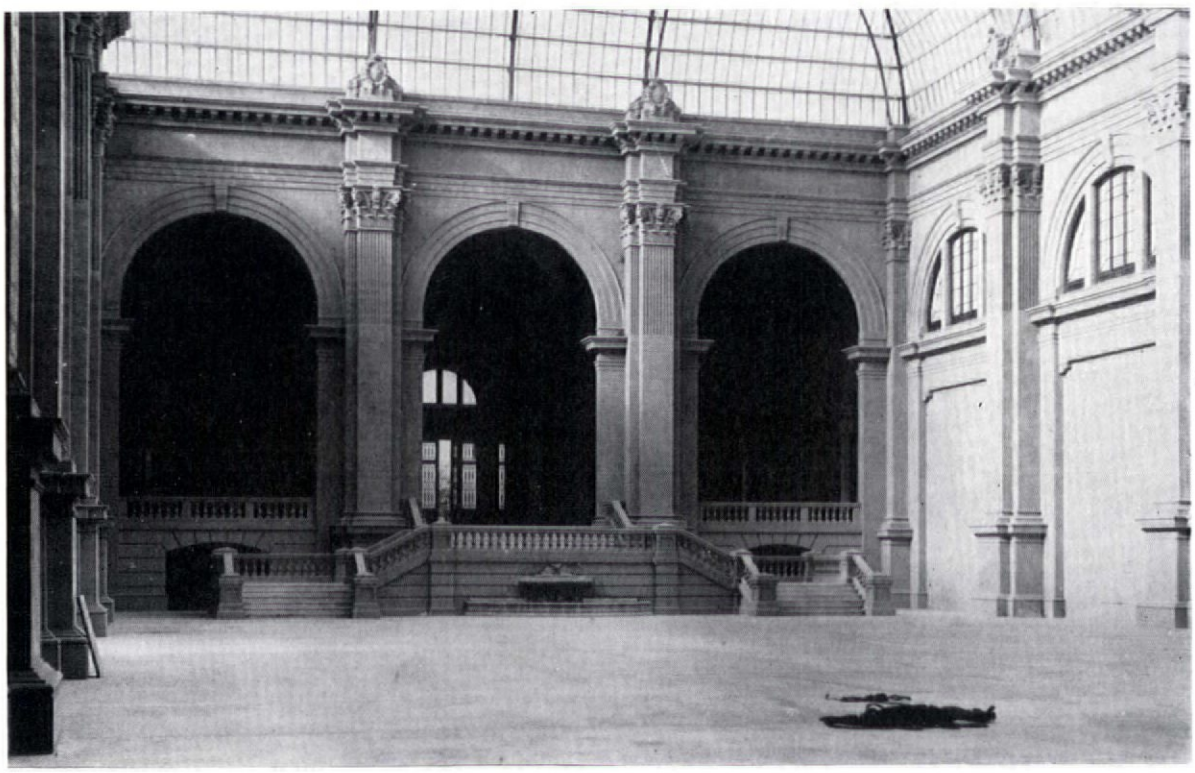
PALACE OF TEXTILE ARTS
D. E. CANOSA AND JUAN ROIG, ARCHITECTS



PALACE OF GRAPHIC ARTS, BARCELONA EXPOSITION



EXTERIOR VIEW, PALACE OF DECORATIVE AND APPLIED ARTS



INTERIOR VIEW, PALACE OF DECORATIVE AND APPLIED ARTS, BARCELONA EXPOSITION
MANUEL PUIG AND D. M. CADES, ARCHITECTS



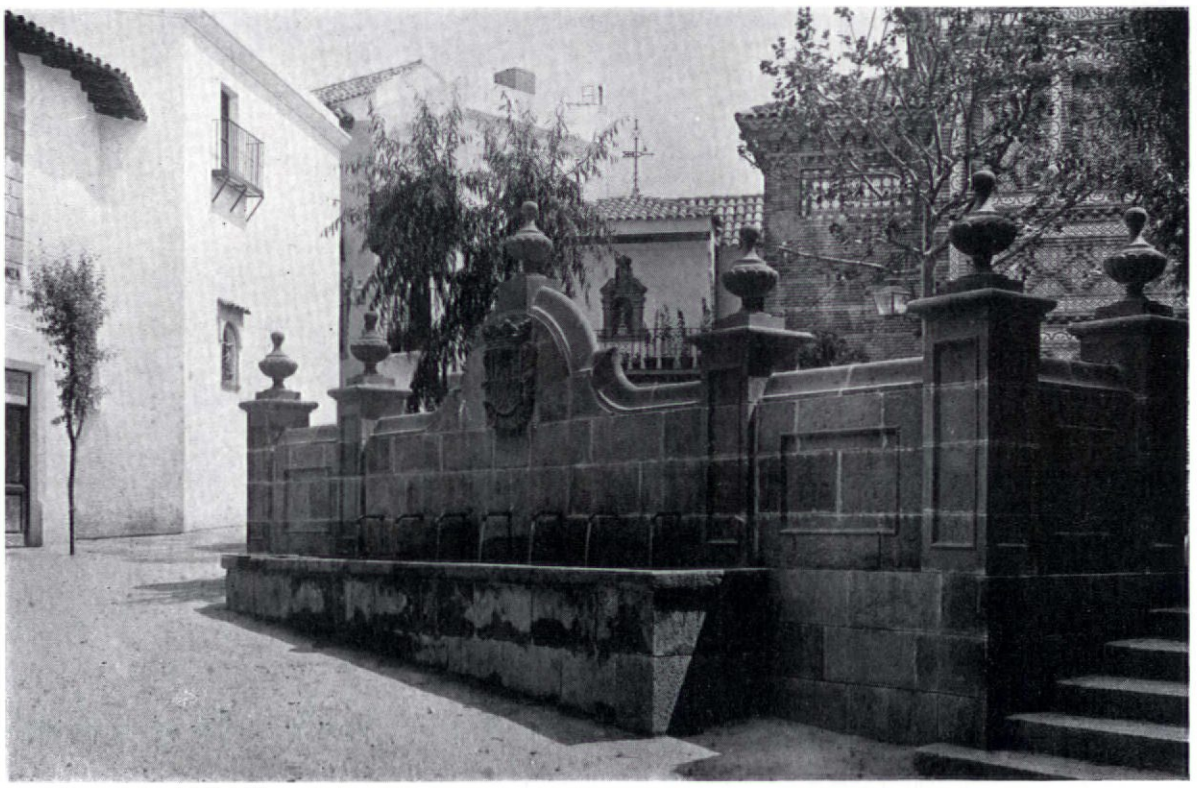
STREET SCENE IN SPANISH VILLAGE



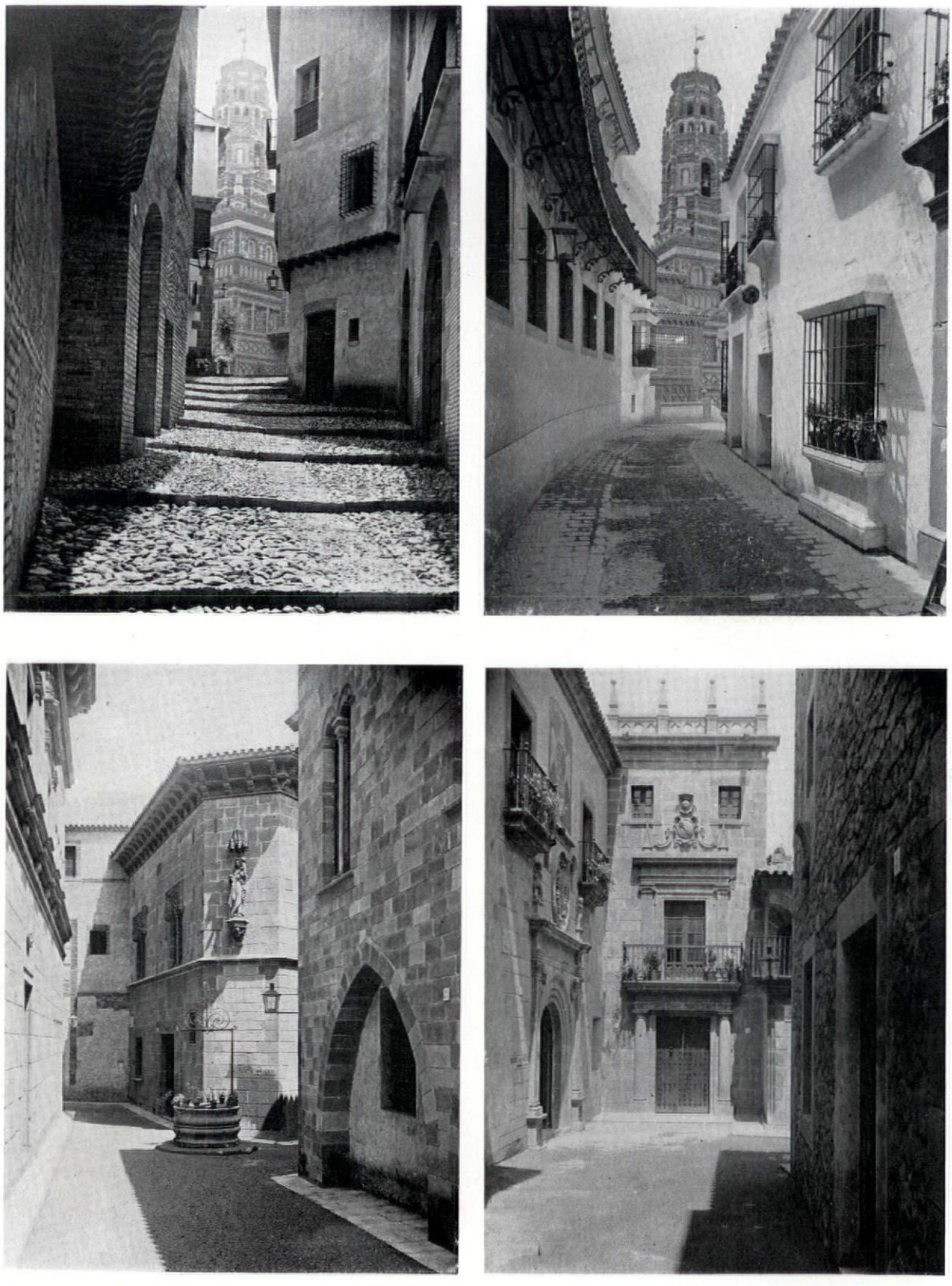
IN THE SPANISH VILLAGE, BARCELONA EXPOSITION



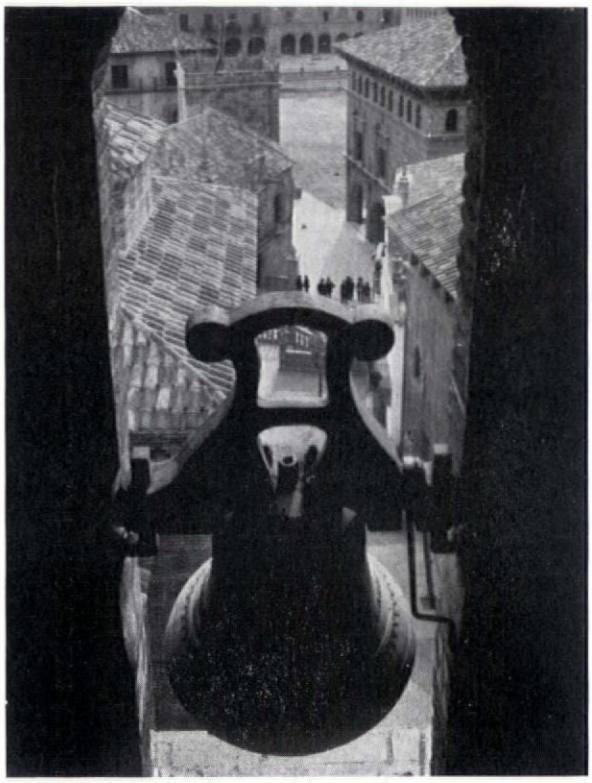
MONASTERY IN SPANISH VILLAGE

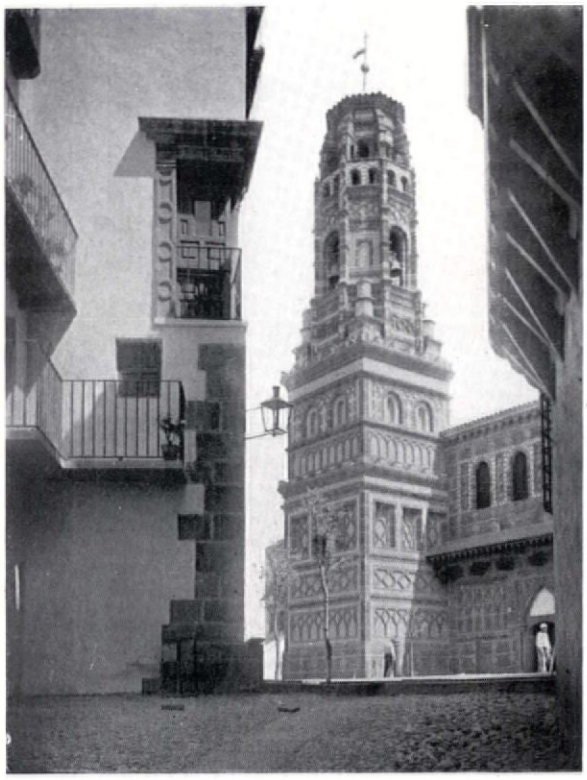


WALL FOUNTAIN, SPANISH VILLAGE, BARCELONA EXPOSITION

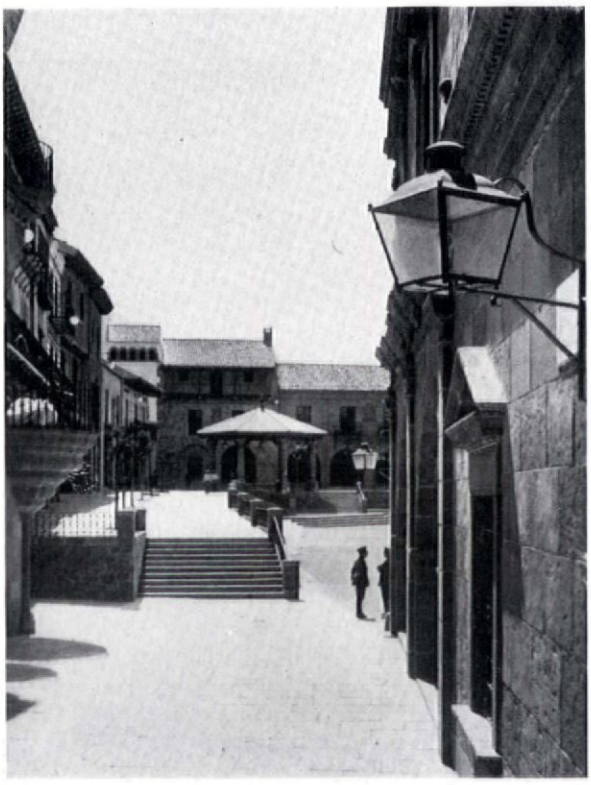


STREETS IN THE SPANISH VILLAGE, BARCELONA EXPOSITION

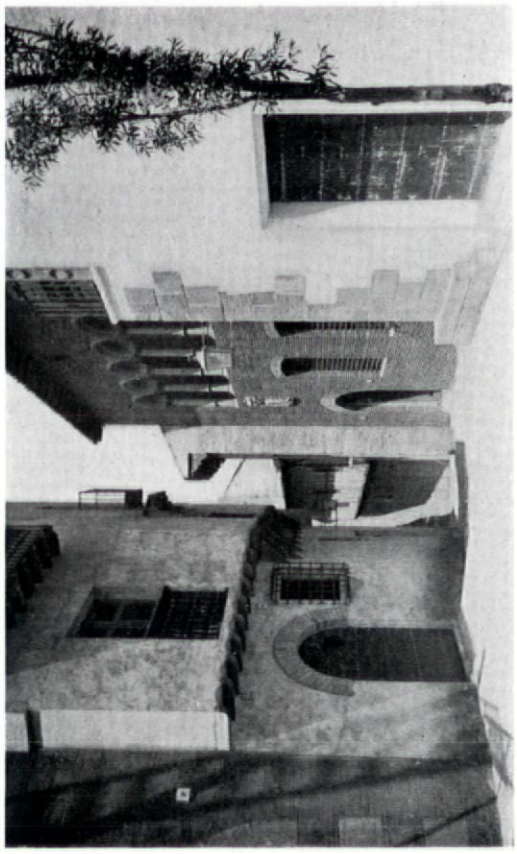


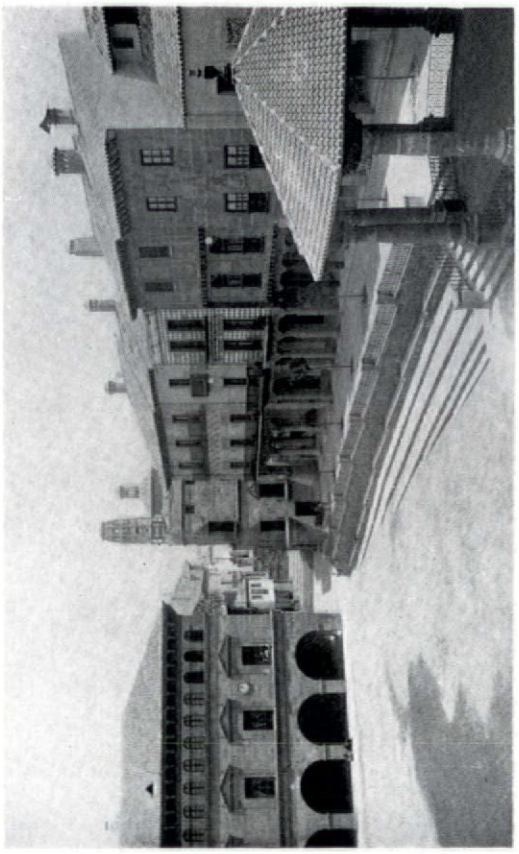




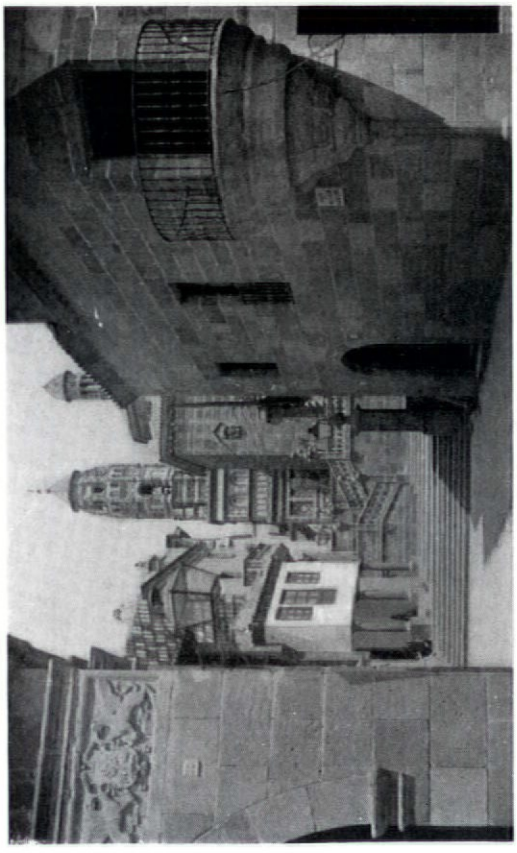


DETAILS FROM THE SPANISH VILLAGE, BARCELONA EXPOSITION

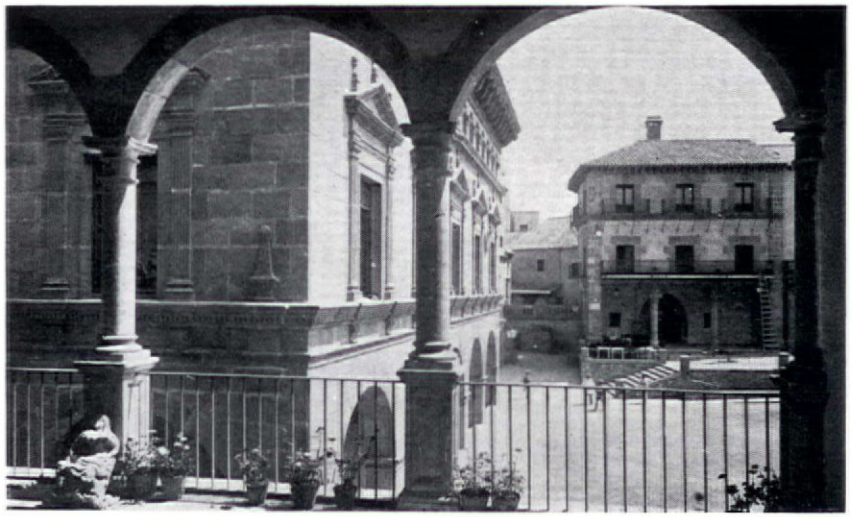


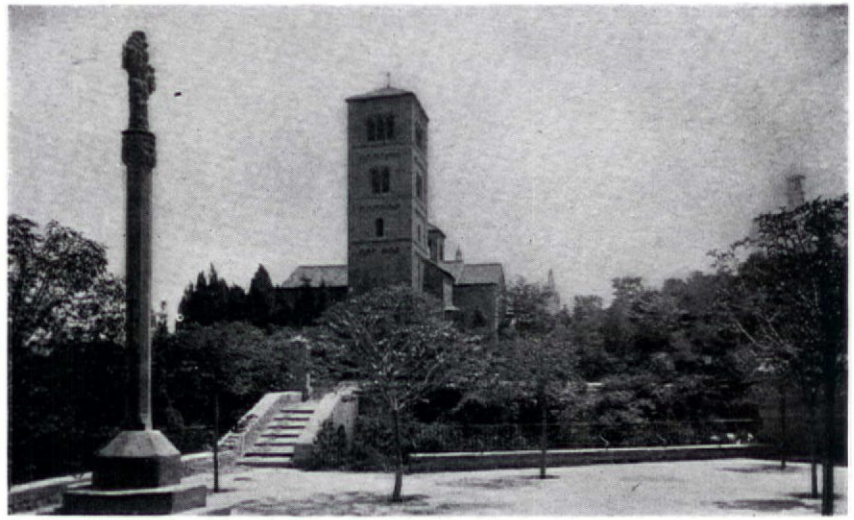






THE PLAZA AND SIDE STREETS, SPANISH VILLAGE, BARCELONA EXPOSITION









THE PLAZA AND ROMANESQUE MONASTERY, SPANISH VILLAGE, BARCELONA EXPOSITION



The Plaza of Fountains at Night, Barcelona Exposition

and D. E. Canosa, although here also a ready-made Spanish Renaissance cornice marks the roof line. Neither the Palace of Graphic Arts, nor the Palace of Industrial and Applied Arts by Manuel Puig and D. M. Cades, which blend the Renaissance and the Baroque, have anything to recommend them. The Pavilion of the City of Barcelona, by Jose Goday, on the other hand, has distinct personality, and its brick facade, ornamented with gilt bronze sculpture and with an upper loggia in perfect proportion with the symmetrical two-story division of the building, is pleasing.

Perfectly proper and decorously orthodox are the other minor buildings, all designed in obedience to tradition. Mention might be made of the Modern Art Building, which is anything but modern, and the Royal Pavilion, which is a greater success chromatically than architecturally.

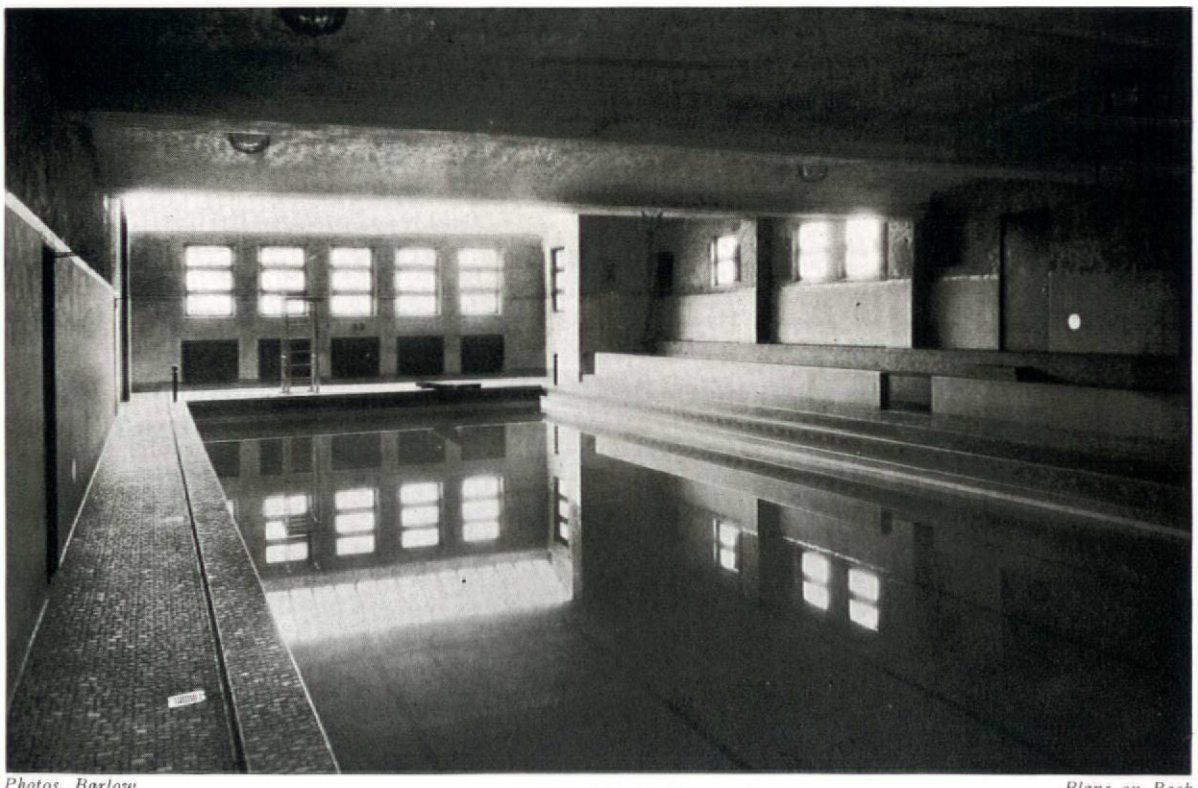
The coöperation of foreign nations has not been in keeping with the effort of Barcelona. Italy, Belgium, France, Germany, Denmark, Hungary, Norway, Rumania, Sweden, and Yugoslavia have buildings of sorts, but only Italy, Belgium and France have erected distinctive and consequential pavilions. France's pavilion is by Georges Wybo and is of "tempered modern" architecture. Italy's is more pretentious. It covers 4,500 square meters and is rich in marble and mosaic, while Belgium's, by the architect Verhelle, is pure Flemish of the time of the Spanish domination over Flanders. As for the United States, it is conspicuous by its absence. It seems that, being represented at Seville, it could not afford to be represented at Barcelona also. In consequence, the American firms who exhibit have their manufactures displayed in various and sundry buildings,—Agriculture, Machinery, Decorative Arts, etc.

No article on the Exposition would be complete that did not take into consideration one of the Exposition's "concessions," a private undertaking exacting an added admission tax, but embodying in a series of faithful reproductions, examples of Spain's most picturesque and most characteristic architecture. The visitor finds himself suddenly transported into some old quarter of Castile or Aragon, or else he walks up the tortuous steps of an Andalusian street to come upon a church tower of the purest Aragonese-Mudejar style, a copy of the campanile of Utebo, in the Province of Saragossa. Or else he will watch native dances in native costumes performed in a *plaza mayor*, typical of a thousand such to be found in every province of Spain, with its *Ayuntamiento* building, in this case a reproduction of the City Hall of Valleder obles in the Province of Teruel. There is a city gate, a copy on a smaller scale of the famous Puerta de San Vincente of Avila, and the entire 20,000 square meters area of the "village" is enclosed by an ancient city wall. Along the streets, facing the square are typical shops, inns and dwellings, inhabited by supposedly authentic citizens of the particular provinces pictorialized, who are serving native dishes in native costumes and singing local and regional songs and selling local and regional products.

The directing hand and eye which selected the various architectural units to be reproduced are to be congratulated not only on the choice made, but in the skill shown in assembling them with never any apparent anachronism. When one is within the walls of the Spanish *pueblo*, one is in old Spain, completely untouched by progress.



GENERAL VIEW



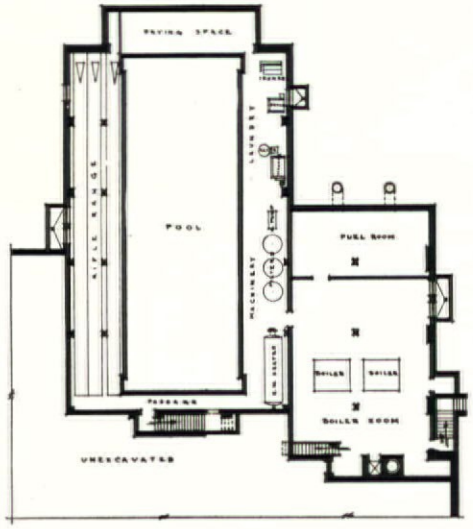
Photos. Barlow

SWIMMING POOL

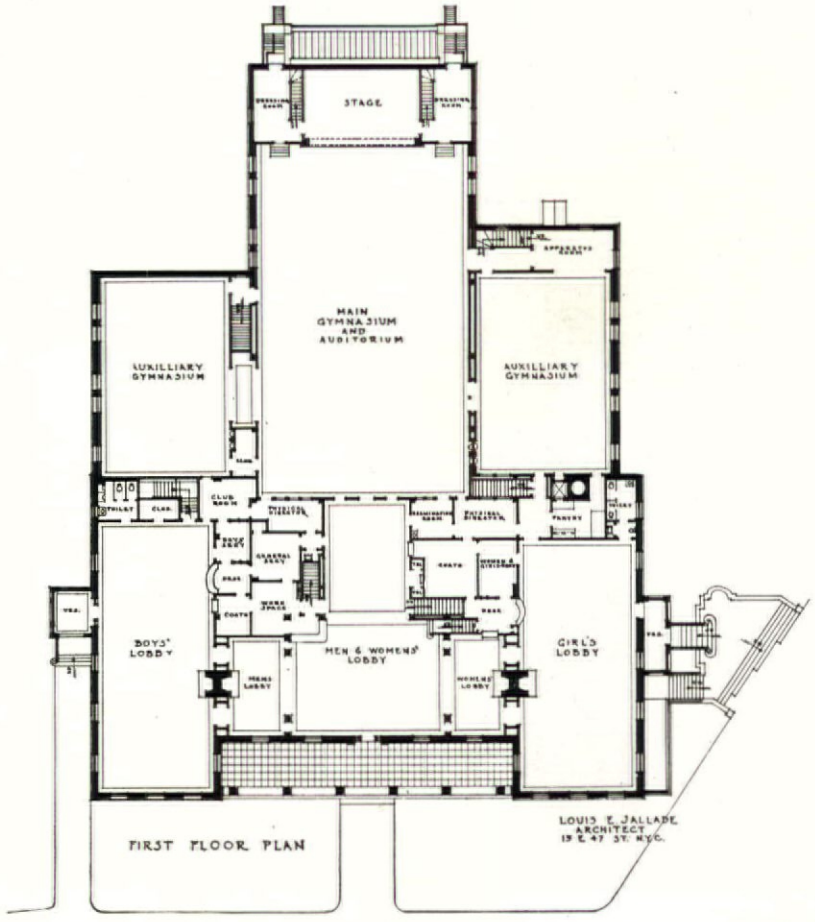
Plans on Back

YOUNG MEN'S CHRISTIAN ASSOCIATION BUILDING, HACKENSACK, N. J.

LOUIS E. JALLADE, ARCHITECT



SUB-BASEMENT



BASEMENT

PLANS. YOUNG MEN'S CHRISTIAN ASSOCIATION BUILDING, HACKENSACK, N. J.
LOUIS E. JALLADE, ARCHITECT

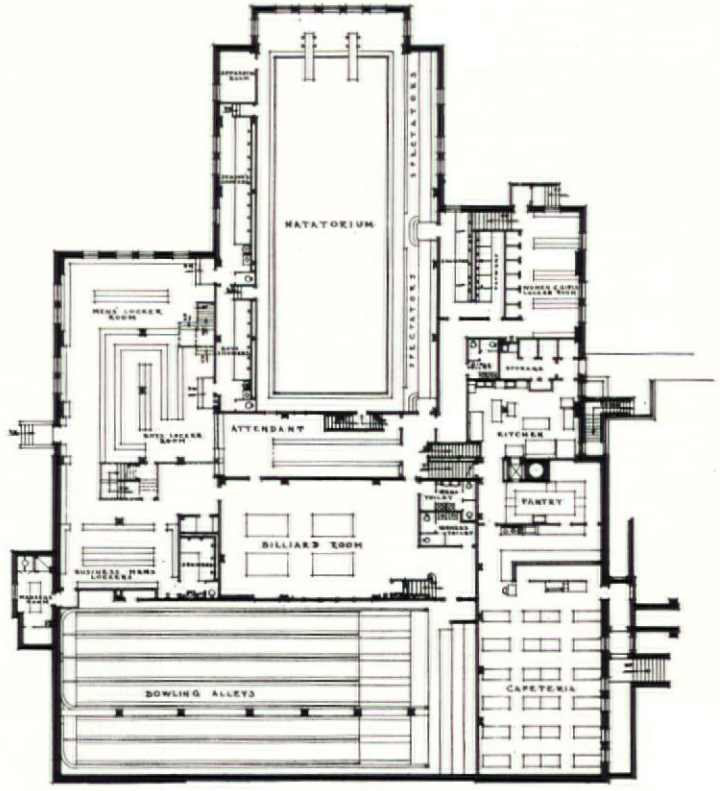


Plans on Back

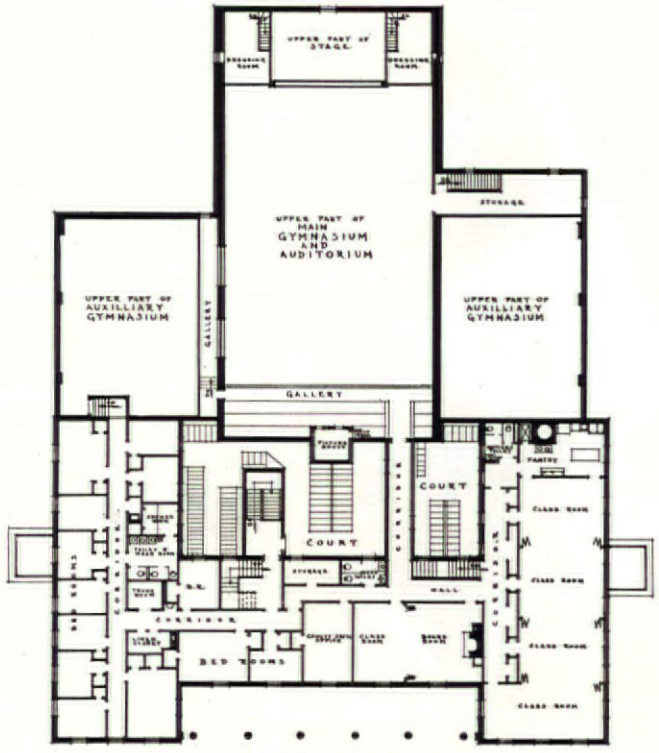
MAIN ENTRANCE

YOUNG MEN'S CHRISTIAN ASSOCIATION BUILDING, HACKENSACK, N. J.

LOUIS E. JALLADE, ARCHITECT

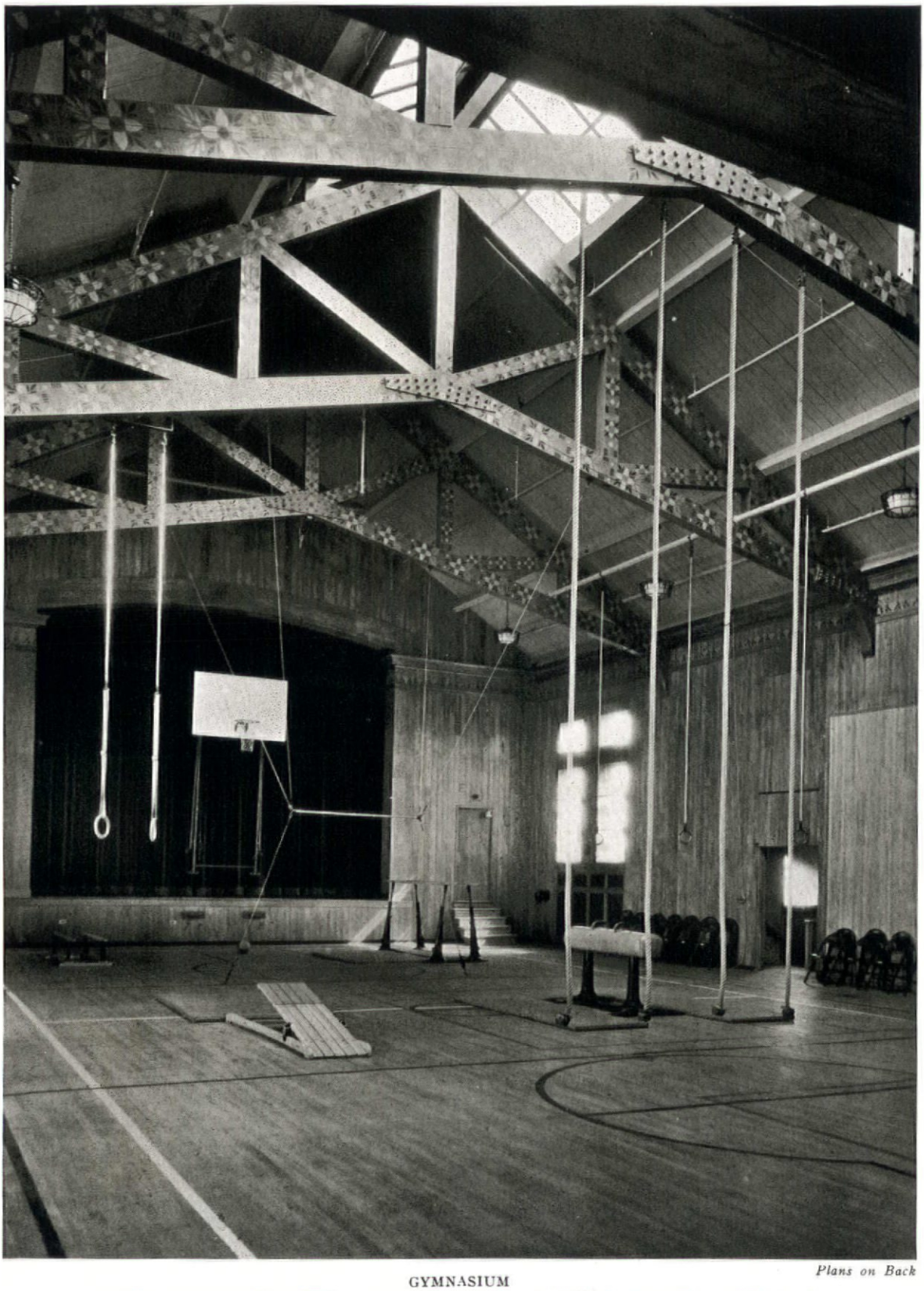


FIRST FLOOR



SECOND FLOOR

PLANS. YOUNG MEN'S CHRISTIAN ASSOCIATION BUILDING, HACKENSACK, N. J.
LOUIS E. JALLADE, ARCHITECT

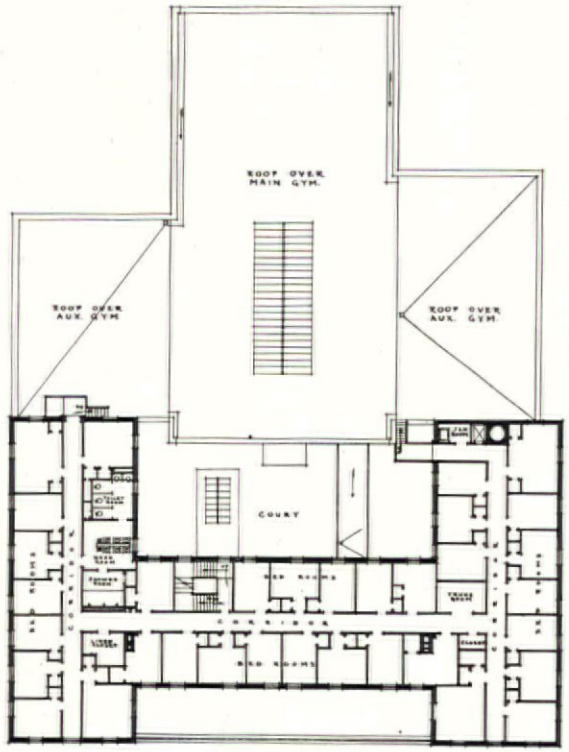


Plans on Back

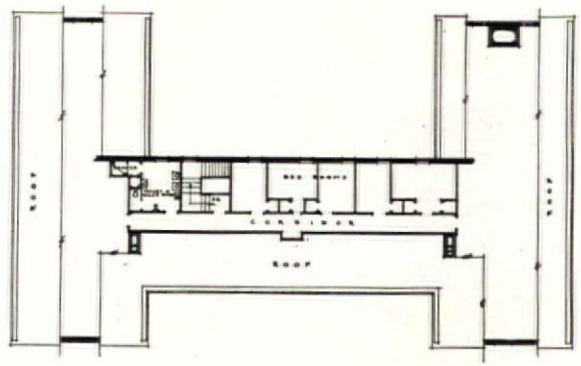
GYMNASIUM

YOUNG MEN'S CHRISTIAN ASSOCIATION BUILDING, HACKENSACK, N. J.

LOUIS E. JALLADE, ARCHITECT



THIRD FLOOR



FOURTH FLOOR

PLANS. YOUNG MEN'S CHRISTIAN ASSOCIATION BUILDING, HACKENSACK, N. J.
LOUIS E. JALLADE, ARCHITECT



WOMEN'S LOBBY



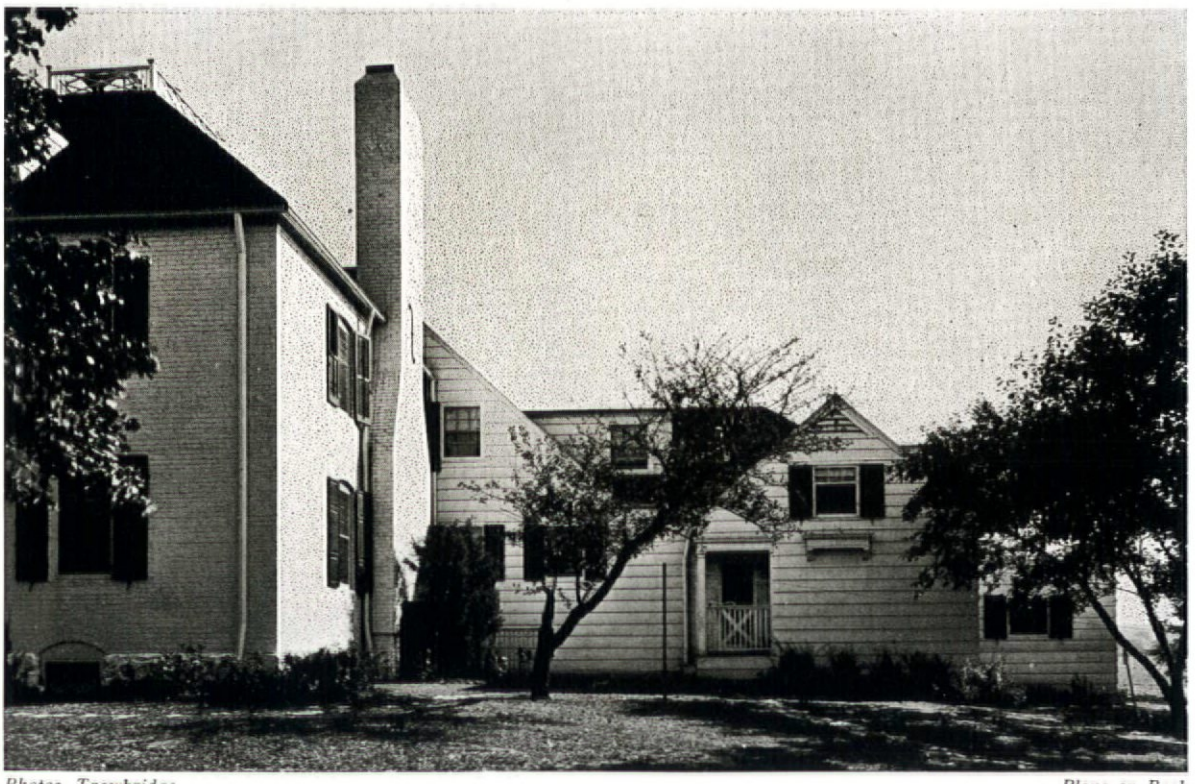
MAIN LOBBY

YOUNG MEN'S CHRISTIAN ASSOCIATION BUILDING, HACKENSACK, N. J.

LOUIS E. JALLADE, ARCHITECT



VIEW FROM THE SOUTHWEST

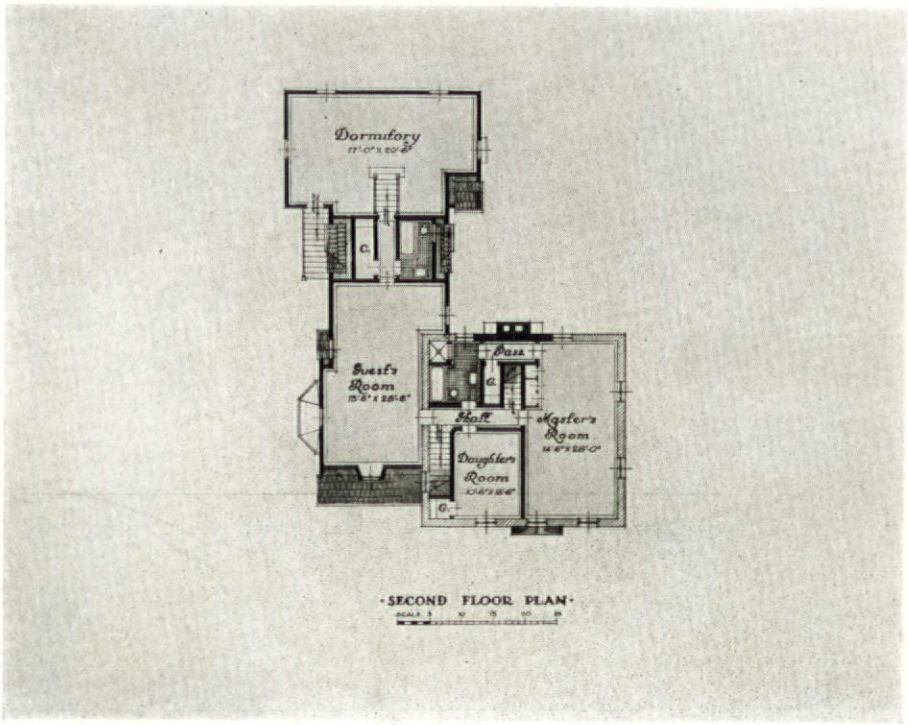


Photos. Trowbridge *Plans on Back*

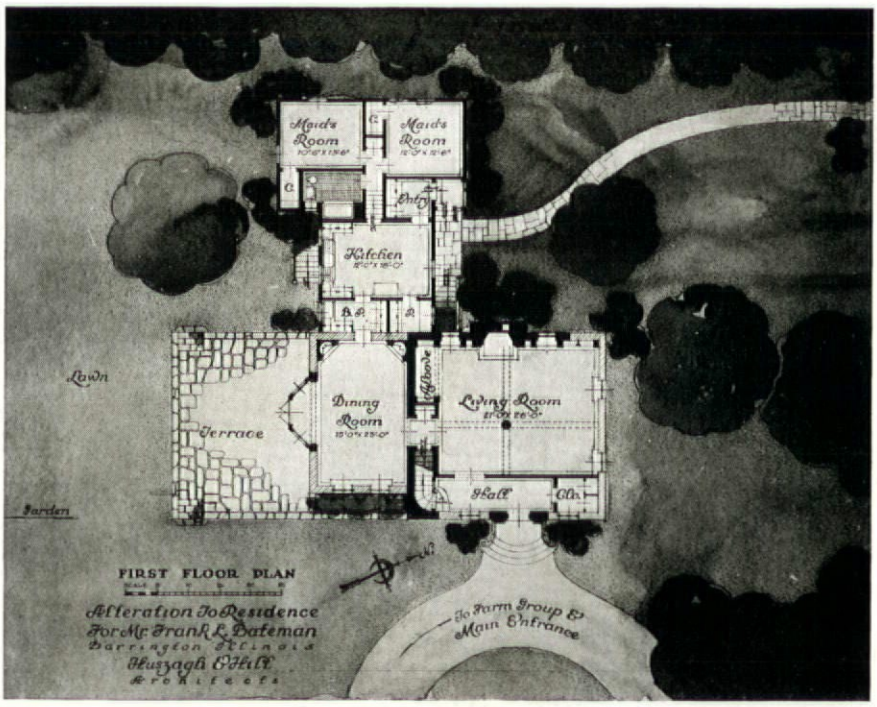
SERVICE WING

ALTERATIONS TO THE HOUSE OF FRANK L. BATEMAN, ESQ., BARRINGTON, ILL.

HUSZAGH & HILL, ARCHITECTS



SECOND FLOOR



FIRST FLOOR

PLANS. ALTERATIONS TO HOUSE OF FRANK L. BATEMAN, ESQ., BARRINGTON, ILL.
HUSZAGH & HILL, ARCHITECTS



STAIR TO SERVANTS' DORMITORY



MAIN ENTRANCE DOOR

ALTERATIONS TO THE HOUSE OF FRANK L. BATEMAN, ESQ., BARRINGTON, ILL.

HUSZAGH & HILL, ARCHITECTS



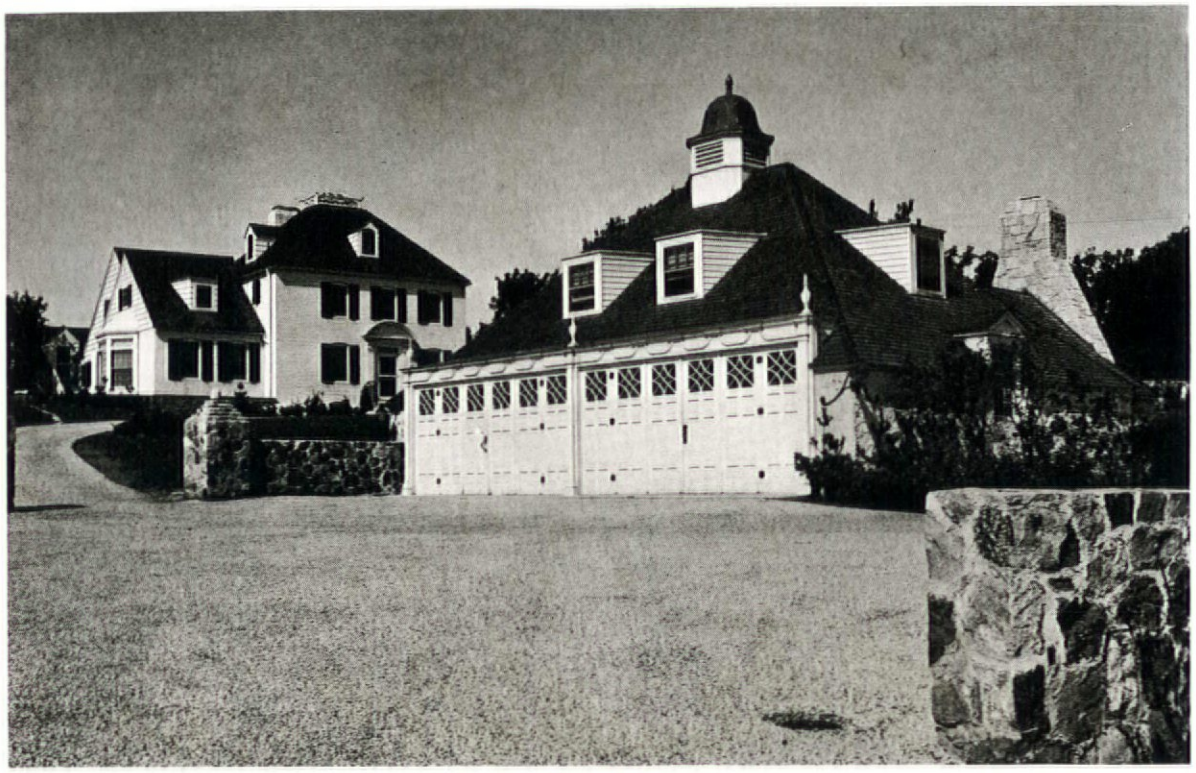
CORNER OF DINING ROOM



GUEST ROOM

ALTERATIONS TO THE HOUSE OF FRANK L. BATEMAN, ESQ., BARRINGTON, ILL.

HUSZAGH & HILL, ARCHITECTS

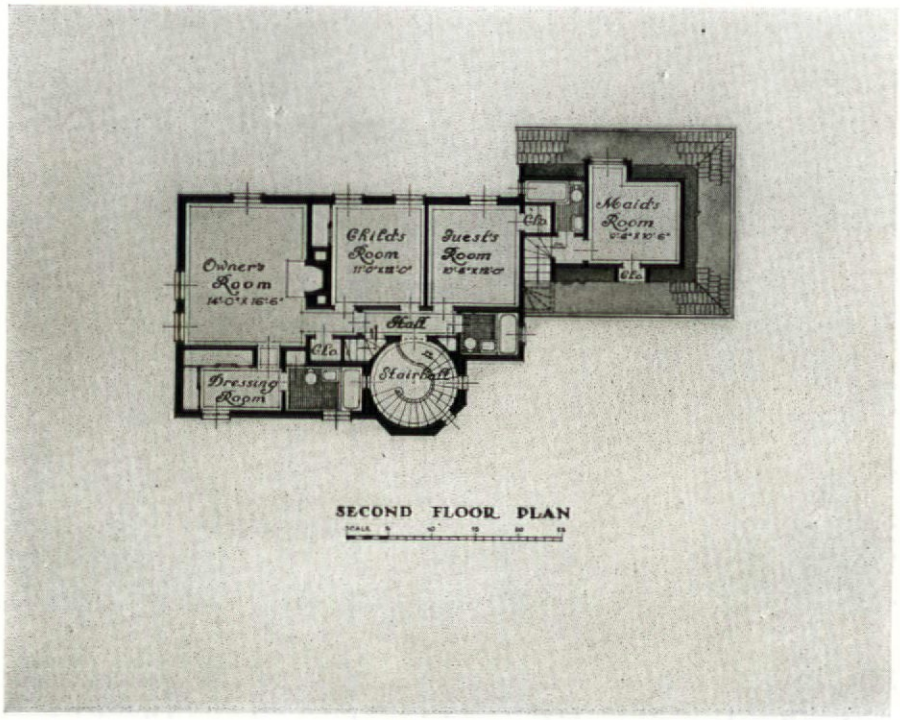


GARAGE AND OFFICE
ESTATE OF FRANK L. BATEMAN, ESQ., BARRINGTON, ILL.
HUSZAGH & HILL, ARCHITECTS

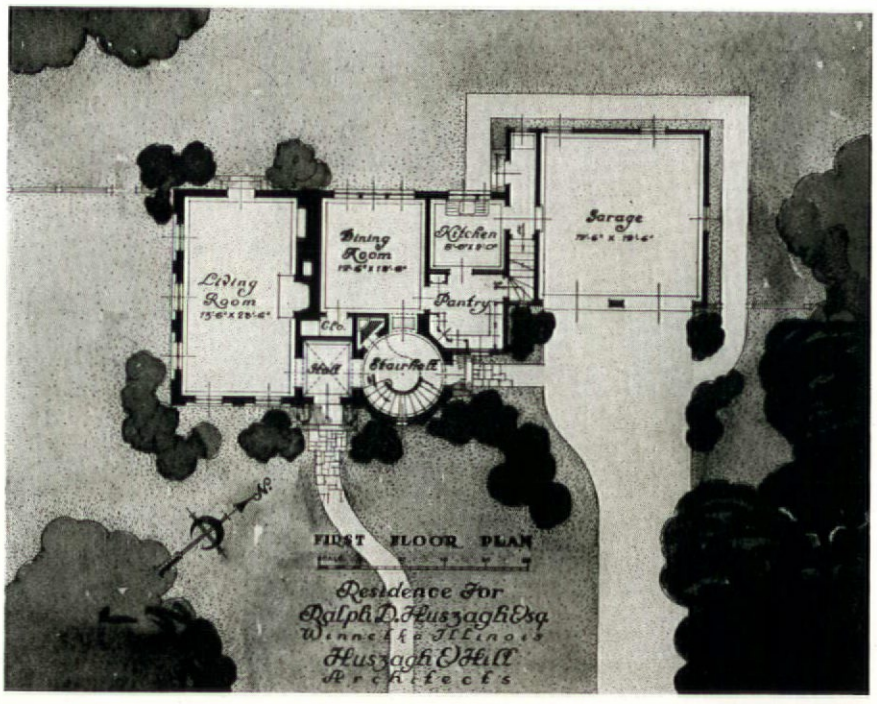


Photos. Trowbridge *Plans on Back*

HOUSE OF RALPH D. HUSZAGH, ESQ., WINNETKA, ILL.
HUSZAGH & HILL, ARCHITECTS



SECOND FLOOR



FIRST FLOOR

PLANS. HOUSE OF RALPH D. HUSZAGH, ESQ., WINNETKA, ILL.
HUSZAGH & HILL, ARCHITECTS



FRONT ELEVATION



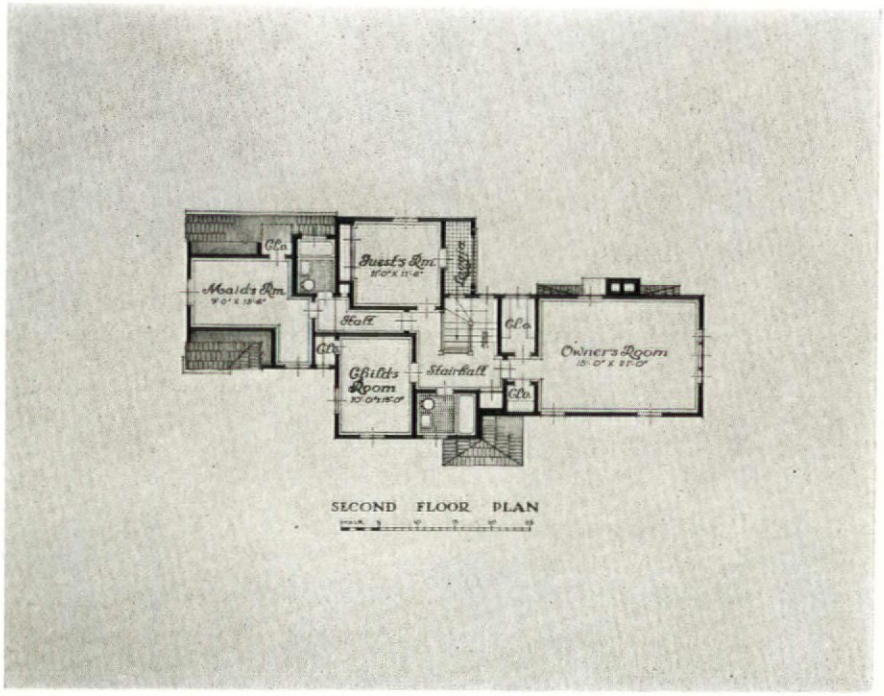
Photos. Trowbridge

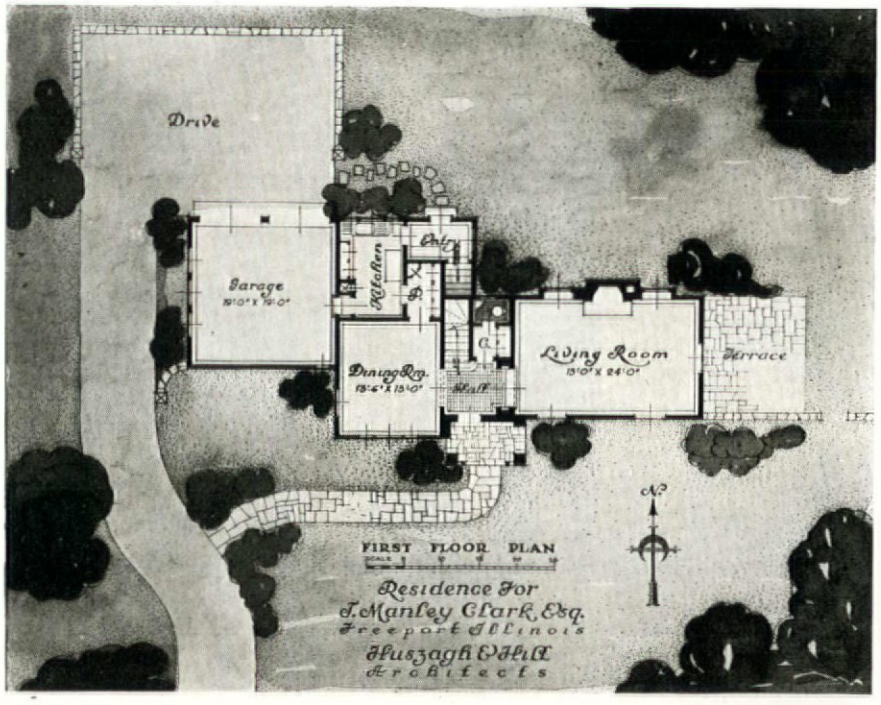
Plans on Back

GARAGE WING

HOUSE OF J. MANLEY CLARK, ESQ., FREEPORT, ILL.

HUSZAGH & HILL, ARCHITECTS





PLANS. HOUSE OF J. MANLEY CLARK, ESQ., FREEPORT, ILL.
HUSZAGH & HILL, ARCHITECTS



GENERAL VIEW



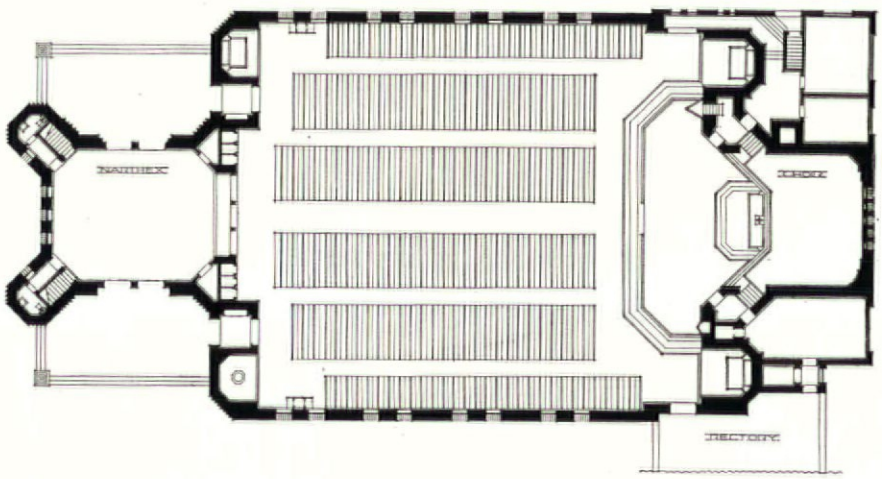
Photos. Trowbridge

Plan on Back

SANCTUARY AND SIDE CHAPEL

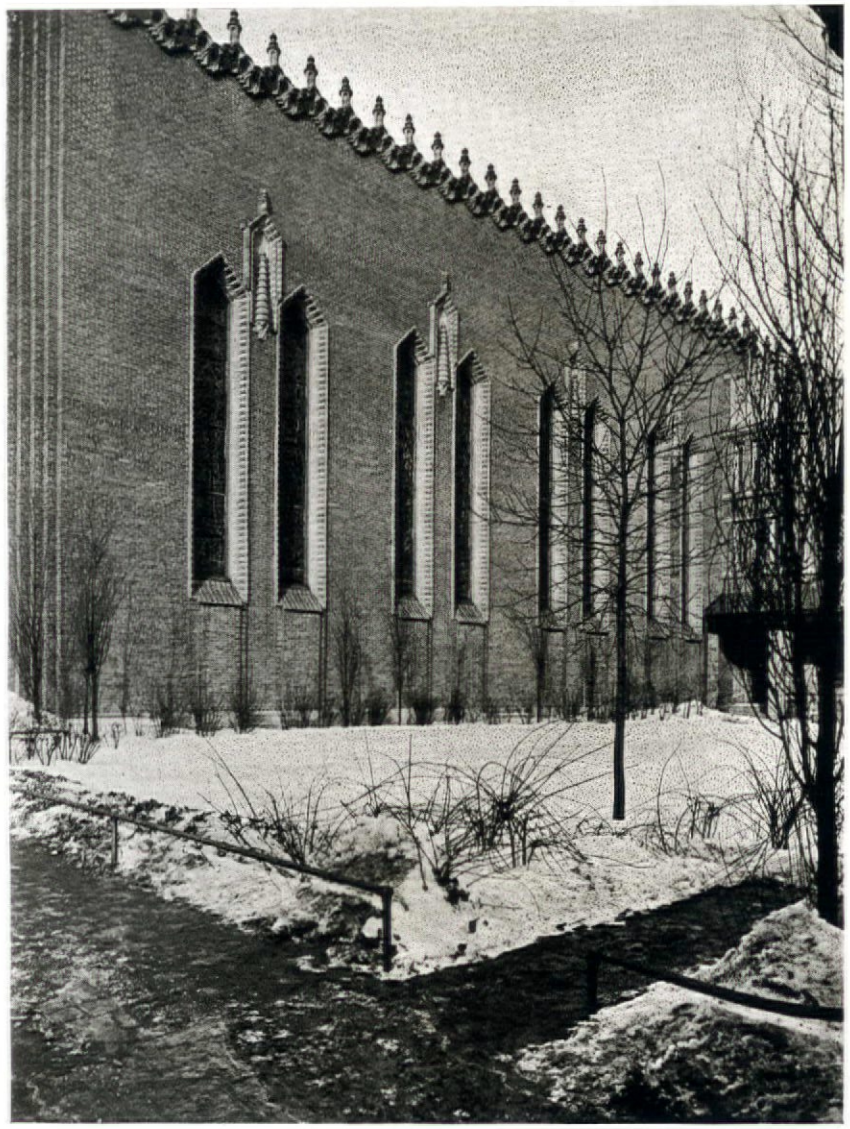
CHURCH OF ST. THOMAS THE APOSTLE, CHICAGO

BARRY BYRNE, ARCHITECT

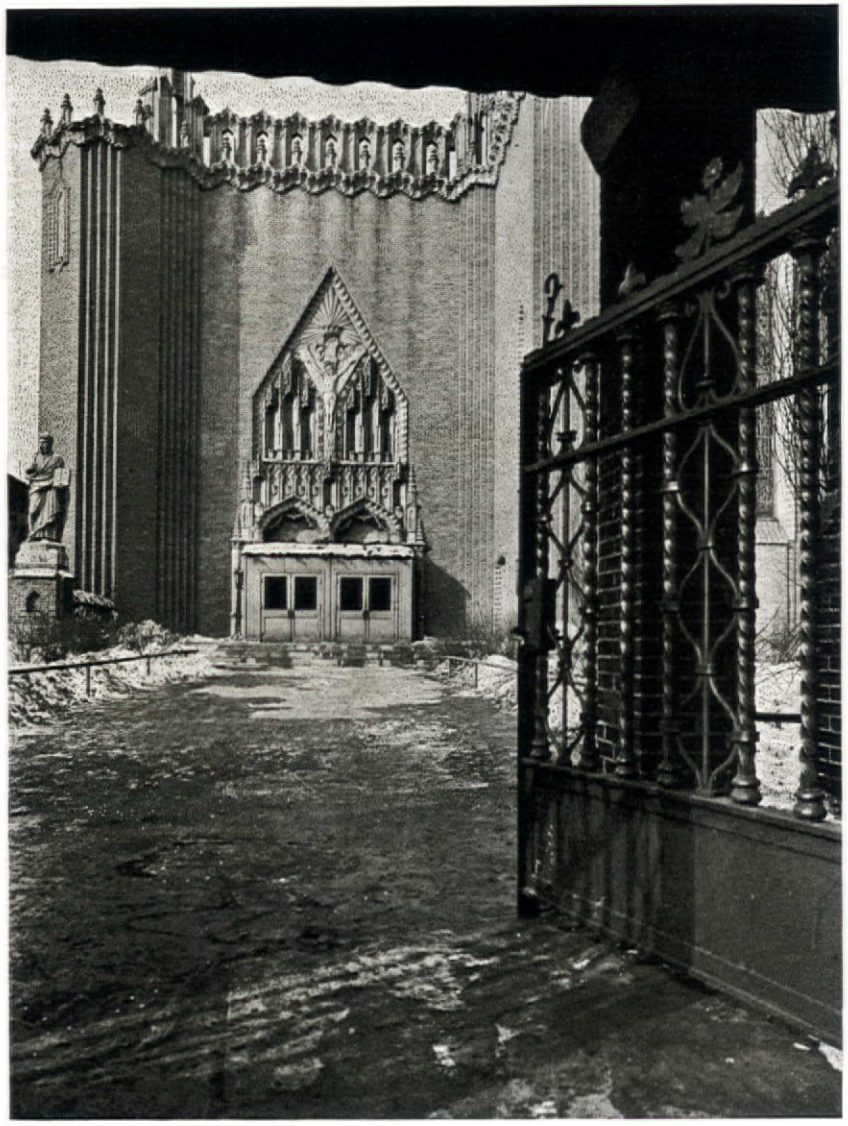


PLAN. CHURCH OF ST. THOMAS THE APOSTLE, CHICAGO

BARRY BYRNE, ARCHITECT



SOUTH ELEVATION



ENTRANCE TO NARTHEX

CHURCH OF ST. THOMAS THE APOSTLE, CHICAGO

BARRY BYRNE, ARCHITECT



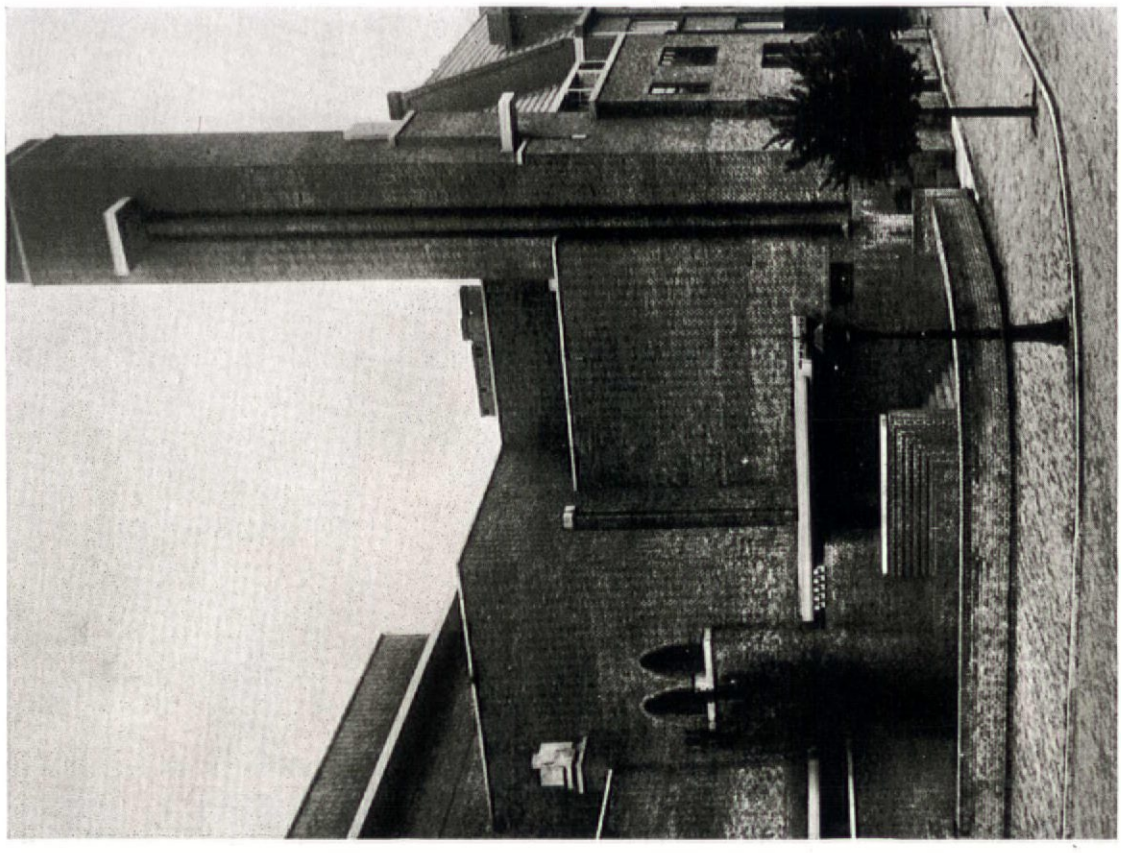
FIGURE IN SIDE CHAPEL



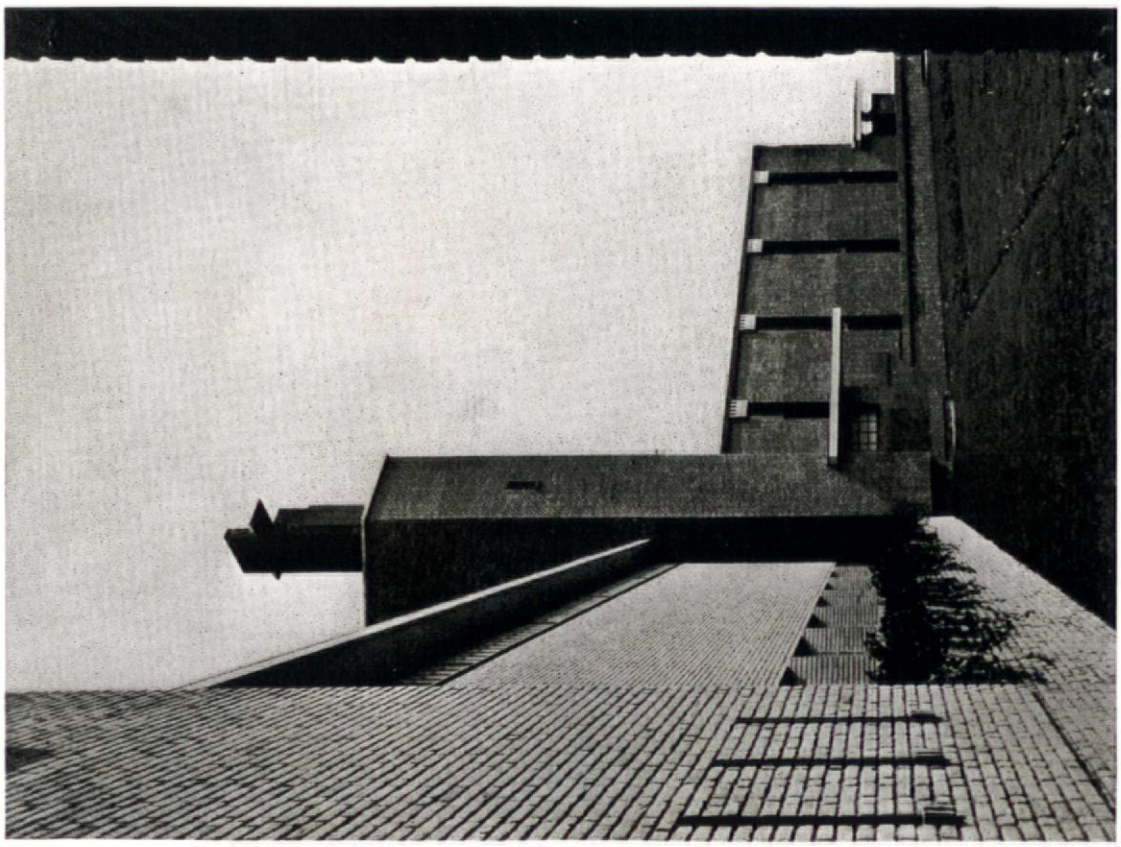
A STATION OF THE CROSS

CHURCH OF ST. THOMAS THE APOSTLE, CHICAGO

BARRY BYRNE, ARCHITECT



SYNAGOGUE AT AMSTERDAM



SCHOOL AT HILVERSUM, HOLLAND

Photos. Bonney



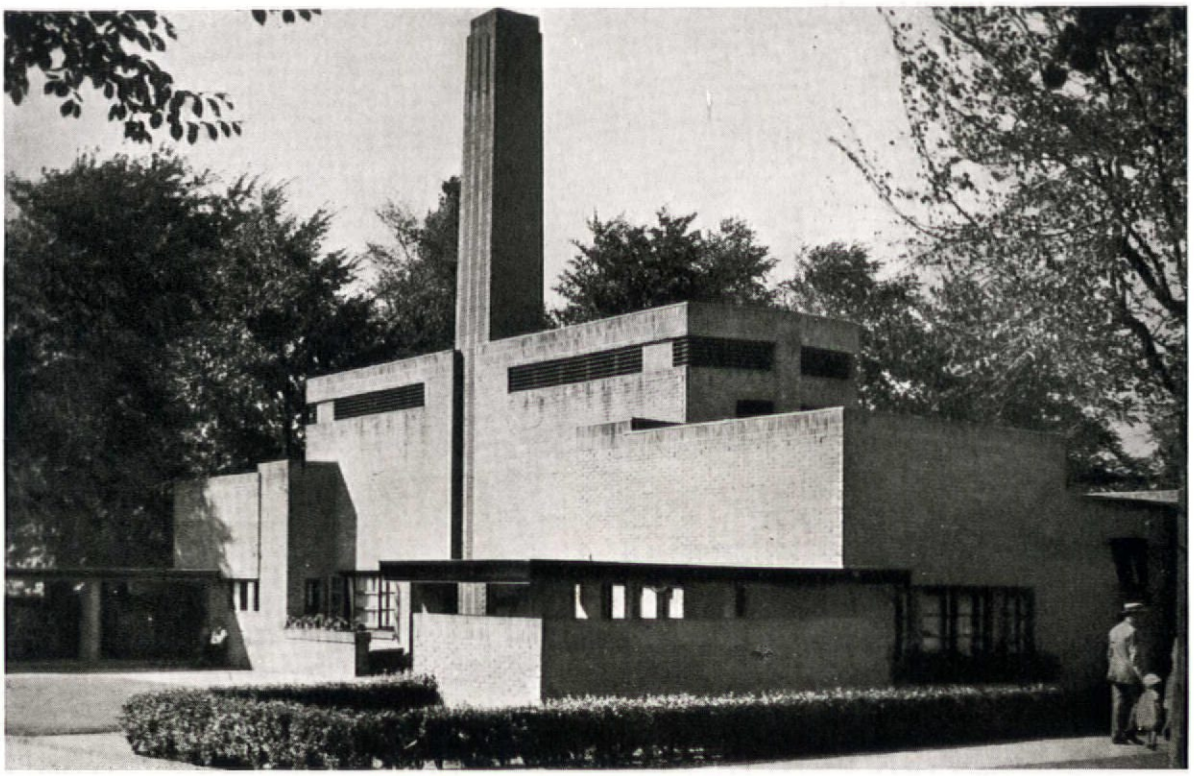
POST OFFICE AND APARTMENT HOUSE AT AMSTERDAM
DE KLERK, ARCHITECT



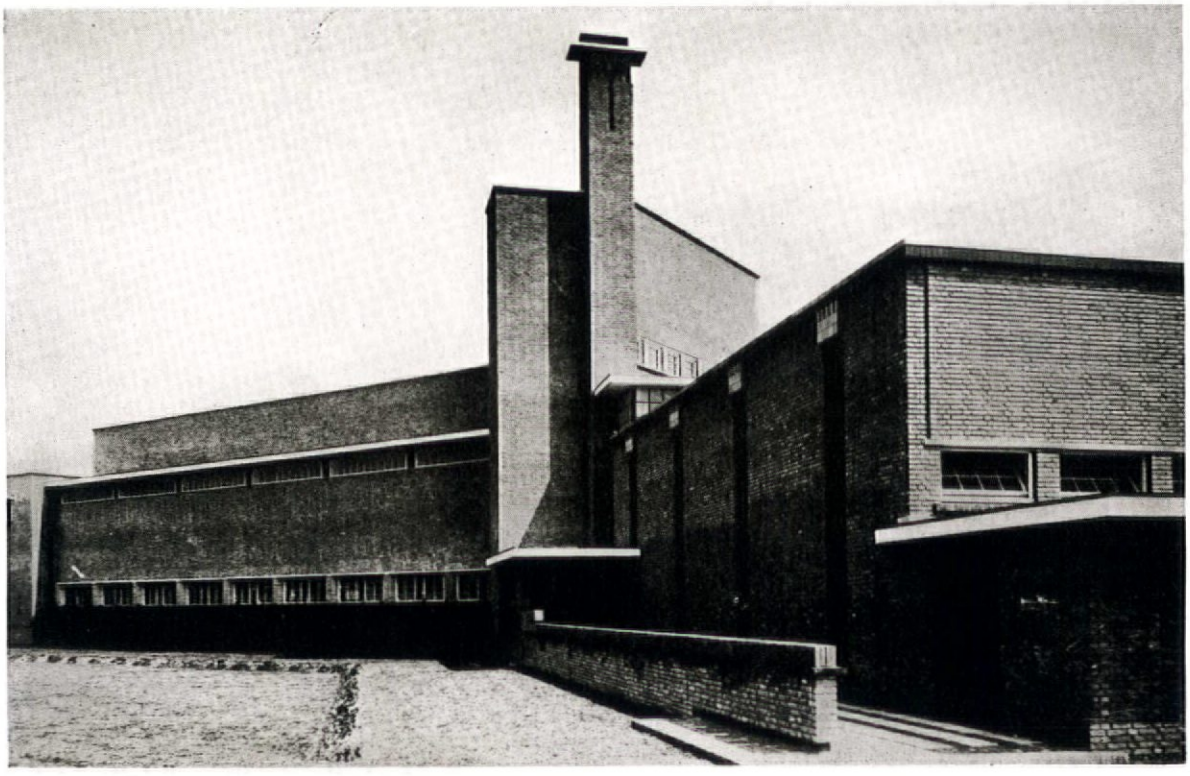
CHURCH AT THE HAGUE
KROPHOLLER, ARCHITECT



POST OFFICE AT AMSTERDAM
DE KLERK, ARCHITECT



BATH HOUSE AT HILVERSUM, HOLLAND
DUDOK, ARCHITECT



SCHOOL AT HILVERSUM, HOLLAND
DUDOK, ARCHITECT

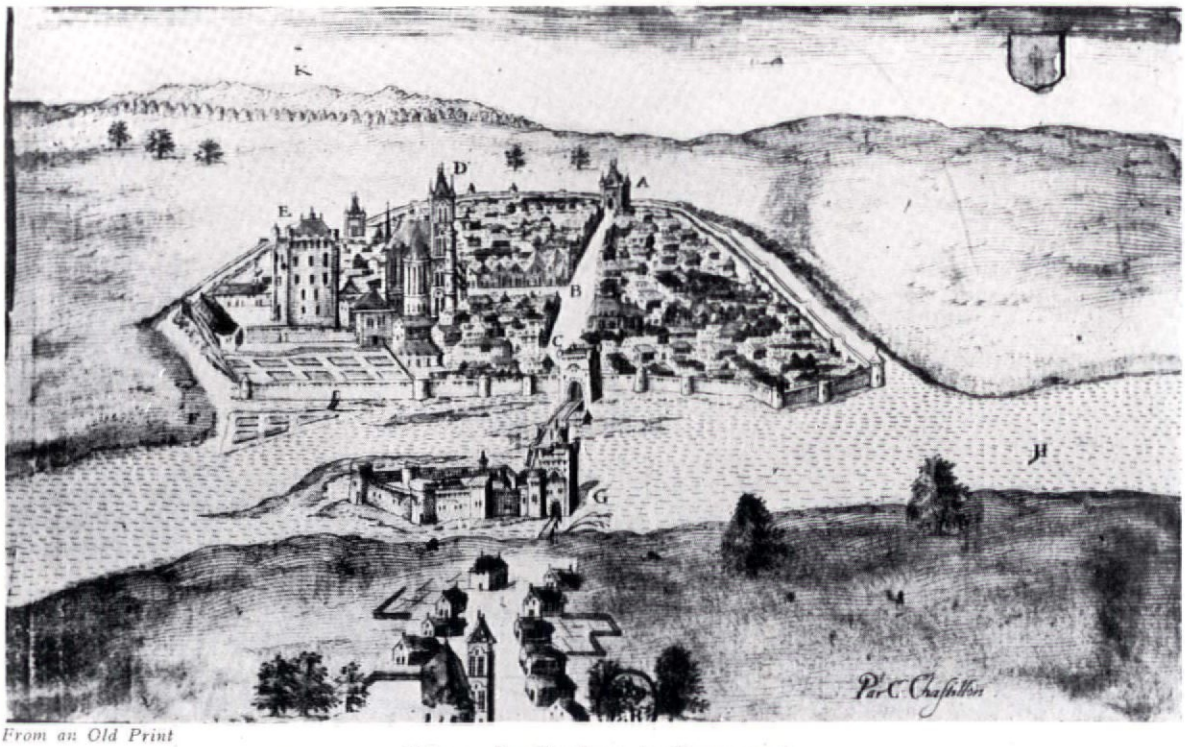
PRIEURE DE PONTLOUP, MORET-SUR-LOING

BY

MILTON D. LOWENSTEIN

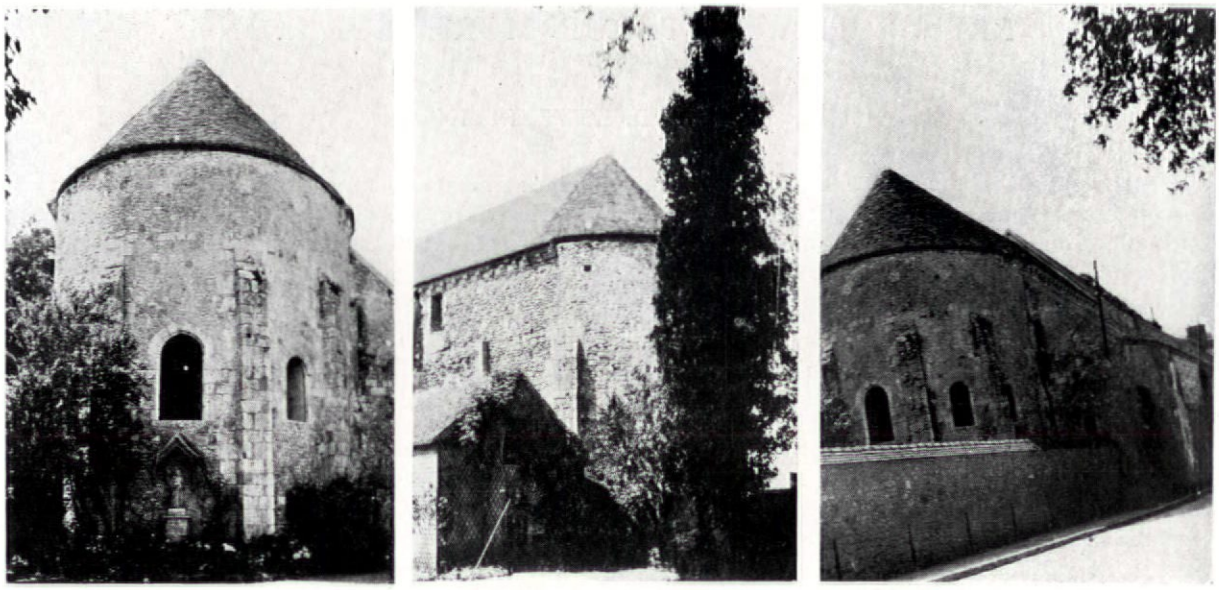
THE staunch, mellowed walls of Moret's houses rise above the verdure drooping from crumbling ramparts and trailing incontinently into the waters of the Loing. Where the river rushes from the Forest of Fontainebleau, ivy and willow shoots compete in hiding new romances or suggesting romances which are old! Amiable matrons and giggling girls paddle their laundry on the stone-lined bank while exchanging pleasantries with artists sketching on the opposite shore. Halfway across the stream, partially supported by an old bridge, a deserted mill offers mute encouragement to the whims of fancy and tempts the eye upstream to the *donjon* of Louis VII's old castle peeping over the tops of aging willows. Where the sturdy bridge of Saintloup, or Pontloup as it is called, leaves the shore, a heavy watch tower, the sole remains of the twelfth century defences, performs the duty of town gate and bridgehead. Towering above this scene, the old cathedral occasionally gives out the deep-throated lament of neglected age.

Caesar's commentaries mention a certain Gallic king by the name of Moritus who reigned in a kingdom which later was joined to that of Syagrius. Eight hundred years later the archives tell of an abbot, Loup. He was chosen by Charles-le-Chauve to succeed the treasonable Odon. The first meeting place selected by Loup for the bishops of his neighborhood was Moritus. As the differences between barbarian and Roman became less pronounced, a common language made "Moritus" into "Moret." Until 1081 the town formed the northern limit of the Duchy of Burgundy. Philip I then obtained Moret from Robert the Elder, his uncle, Duke of Burgundy, in exchange for some islands in the Seine. A hundred yards from the eastern end of the old bridge and now jutting into the road leading to Vezelay, are the ruins of a priory built even earlier than the venerable town cathedral. According to a map in the archives at Melun, all the territory that bounded the river outside the town walls once belonged to the monastery of Pontloup. The lands were held in fief to the king, who maintained control through the usual *baillis*. The support which royalty gave brought a prestige that increased the popular demands made upon the monastery. The monks had to add to the offices of the church certain secular duties. Eventually, specialization promoted the rise of orders in which monks were trained for limited activities. The Order of St.



From an Old Print

Prieure De Pontloup in Foreground



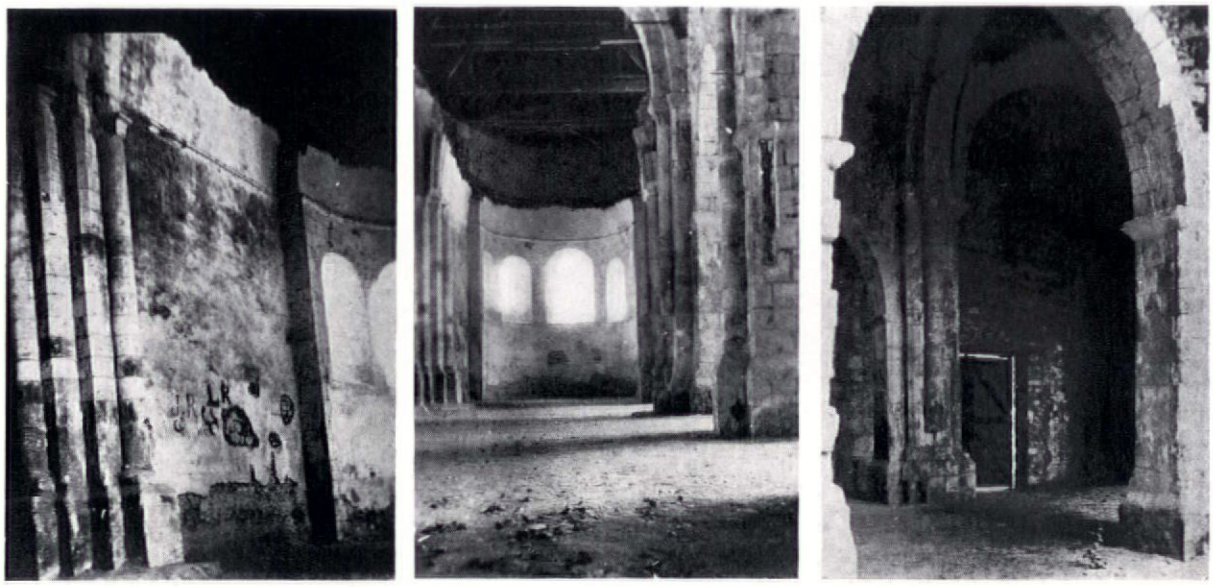
Church of the Prieure De Pontloup, Moret-sur-Loing

Lazarus was given the exclusive right to construct a hospital outside the walls of Moret, a hospital in connection with the Prieure de Pontloup.

In the archives of the Benedictine abbey of St. Madeleine at Vezelay, there is a mss. by Hugues of Poitiers entitled *Historia Vizeliacensis Monasterii*. It appears to have been written between 1156 and 1168. The document contains a list of the priors of the dependent Prieure de Pontloup, but with no clue to the date of its actual foundation. The first prior named is Hugues. He is also mentioned in connection with a quarrel which took place during the time of Pope Eugenius III (1145-1153) between the abbot, Pons de Montbloissier, and the Bishop of Autun, Henry of Burgundy. A monk of Vezelay who witnessed the subsequent inquest also writes of Hugues, the Prior of Moret, as having conducted the monk to Auxerre where the Abbot of Ambry (Albericus) was ordained *sous-diacre* by the Abbot of Pontigny. The latter held office from 1113 to 1136. The Prieure de Pontloup must therefore date from before 1136, the date of Louis VII's ascending the throne. Shortly after this event, the Count of Chalons massacred the monks of Cluny, and the Count of Clermont ravaged the church at Clermont. Louis retaliated by confiscating part of their lands and giving them to his friend, the Count of Nevers. The latter, taking advantage of the king's embarrassment over the divorce of Eleanore of Aquitaine, attempted to seize the monastery at Vezelay. Some of the monks fled to Paris to petition the harassed monarch, and a number sought refuge at the Prieure de Pontloup.

The priory was the logical and æsthetic architectural expression of western culture. Without achieving total severance from architectural tradition, the priory's style developed under the influence of indigenous forces. Local prejudices found expression in important features of construction. The redundancy and inadequacy accompanying the use of unfamiliar forms is confined to the details. The plan of the priory church shows three aisles, each terminating in an eastern apse. The bays of the center aisle are oblong, while those of the side aisles are approximately square, as is also the crossing. The steps which extend across the middle of the nave and aisles mark approximately the junction of the original twelfth century construction and what was added later at various times. The nave vaulting is supported on piers, each of which has an engaged column on the nave side and extends to just below the sill of the clerestory windows. The two piers bounding the west side of the crossing have engaged columns on the transept sides as well. Short and stalwart, they bear a better relation to the arches they support than do the more attenuated columns in the western end of the nave.

Except in the south wall, which has been replaced by a modern rubble construction, there remain portions of all the original exterior walls and their buttresses. From the disposition and size of the latter it was possible to make a restoration of the tower and the transepts. The exterior of the apses does not attain to that perfect roundness found in examples more dominated by classical influence. The central apse tends to be a polygon, the angles of which become rounded as the roof is approached. The two small apses are rounded externally a short distance from the ground; above they are corbeled out to a rectangular form in order to receive a lean-to roof. In plan, both small apses turn away from the central



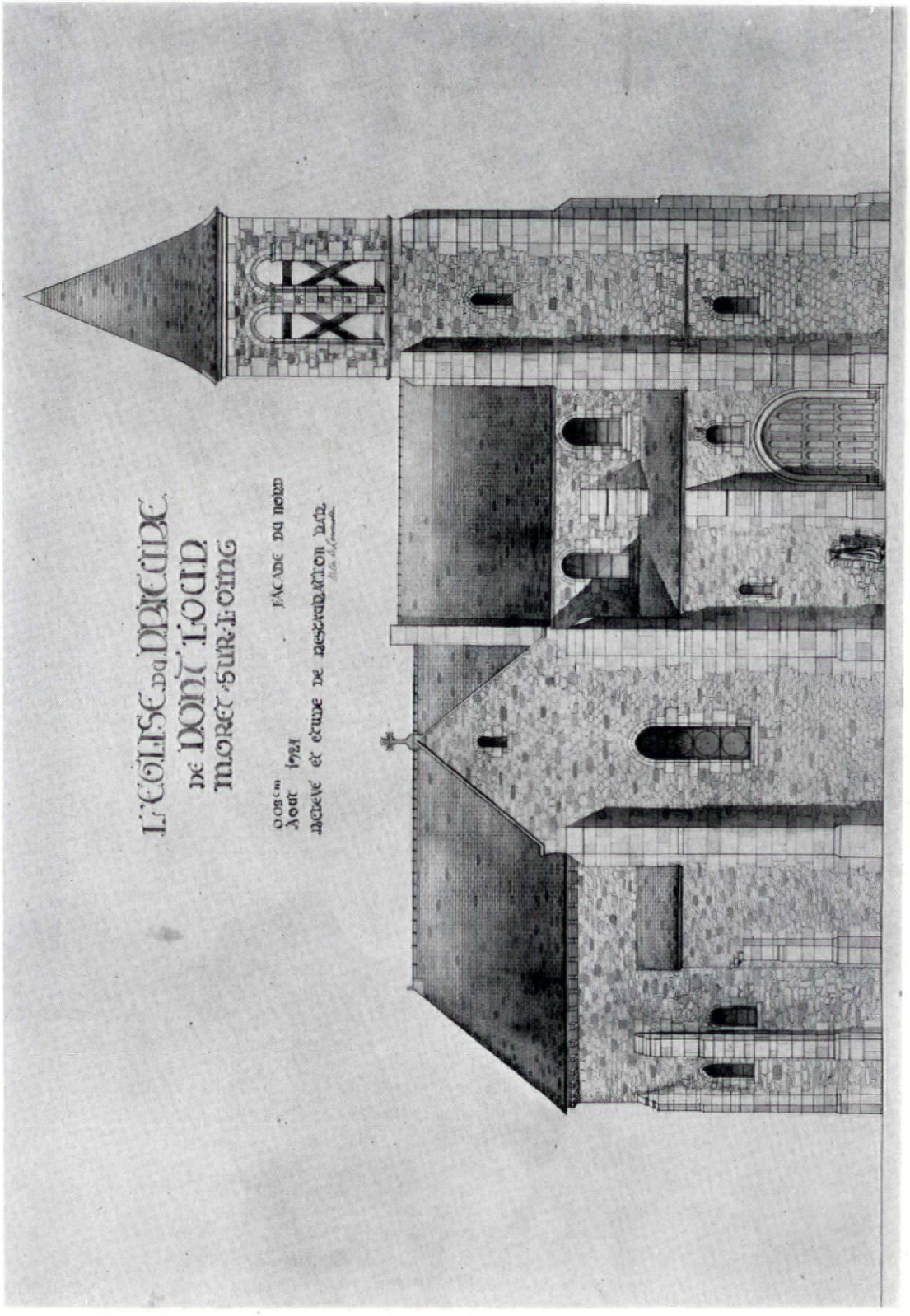
Church of the Prieure De Pontloup, Moret-sur-Loing

apse, and the thickening of the walls at the junction of the apses allows support for a barrel vault over the choir.

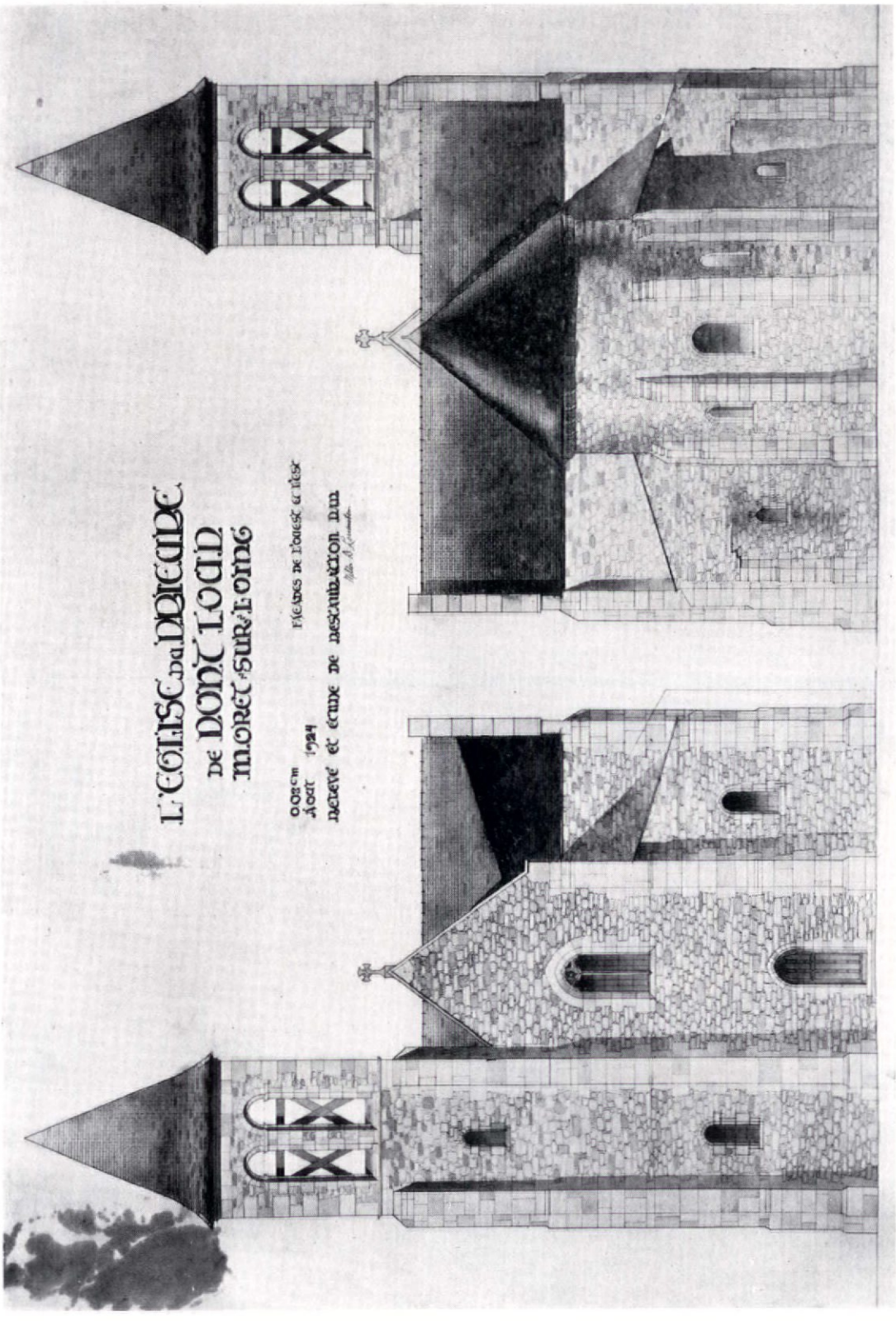
Most of the groined vaulting of the north aisle is still in place. It is supported on pilasters of the north wall and on the nave piers. No transverse ribs connect the pilasters or the piers. They are used only from pier to pilaster. All the groins have semi-circular profiles. This brought the key of the vault higher than the keys of the transverse arches. The latter, therefore, had to sustain the thrust of the sloping vault sections. In the center aisle where the oblong bays would have made the difference in elevation excessive, the wall arches were pointed over the clerestory windows, though only traces in the clerestory wall remain to indicate this fact. These vault intersections are evidence of there having been groined vaulting over the center aisle. This was seldom attempted in any but the smaller churches,—Issy-l'Eveque (Saone-et-Loire), Pontaubert-et-Sacy (Yonne), etc. More examples are found in the south,—Chambon (Creuse), where no transverse ribs are employed. The influence of Cluny and Citeaux brought the groined vaulting of the nave to Laach in 1156, and later to Eberbach and the cathedral of Speyer and Mainz. But its unwieldiness and the lack of any great need for light precluded its adoption in Burgundy and Auvergne, where its use was reserved for the side aisles.

As seen on the north elevation, buttressing was used to strengthen the clerestory wall. There are no examples in this neighborhood of the transverse barrel vaults over the nave such as were used at this time in Tournus and which obviated the necessity of having buttresses and at the same time allowed ample room for clerestory windows. The system of using the transverse vaults of the side aisles to buttress the nave vault, employed extensively in Perigord and Anjou, is not found farther north than St. Pathus. The ribbed vaulting over the transept crossing has ogival transverse ribs. By eliminating most of the slope from the vault sections, they are able to transfer all the thrust to the piers. The ribs are rectangular in section and stepped out to receive the vaulting material. The diagonal ribs spring from corbels. These span the reëntrant angles of the abacus which is continued between the capitals as a string course. Their section consists of two three-quarter rounds separated by a wide arris.

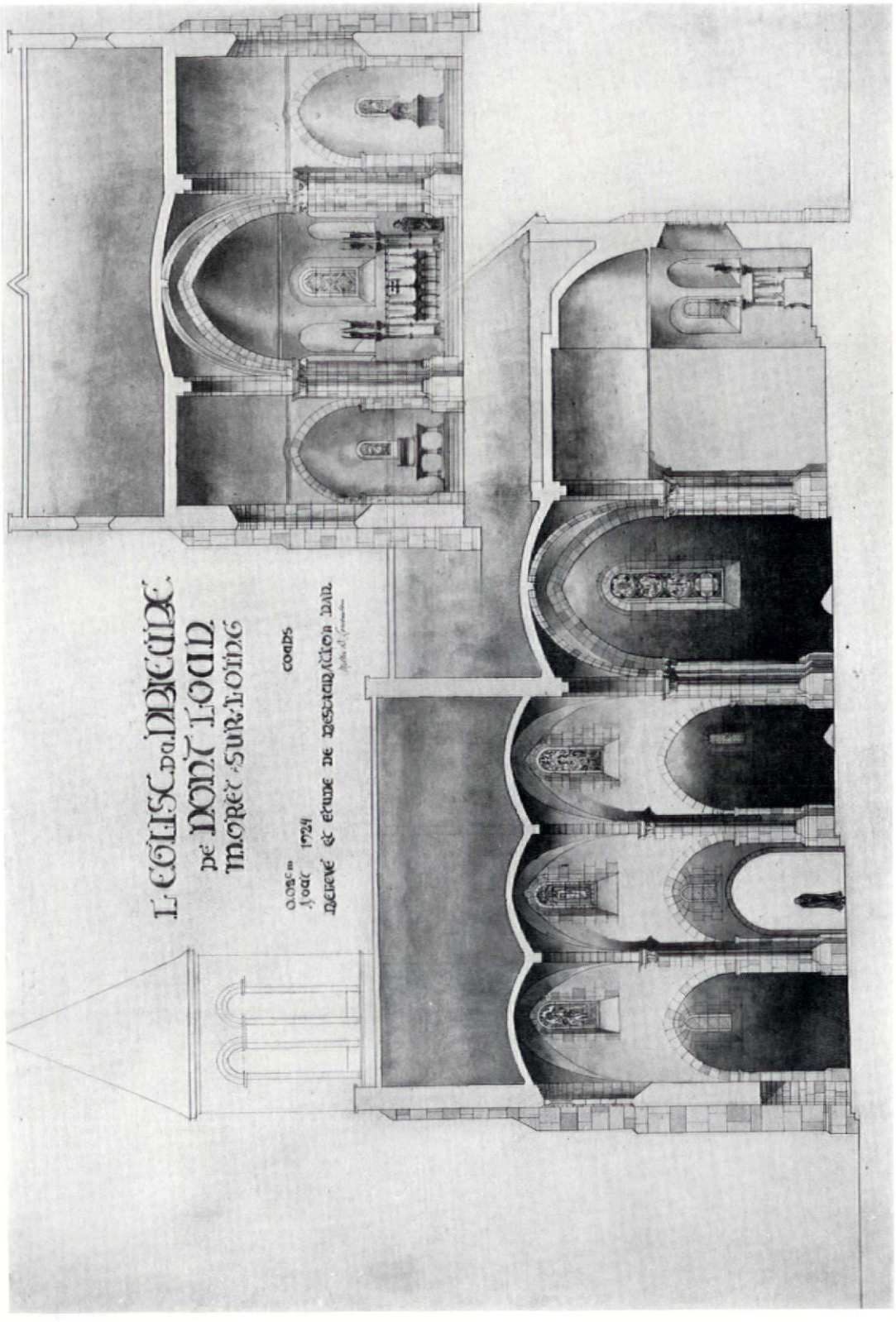
Simplicity rather than severity characterizes the capital and base design. The leaves forming capitals are reminiscent of Egyptian palmettes and are not mere scratches but mould the surface of the block. They have a suggestion of veining and texture, and as they sweep gracefully out from the capital-torus, they seem as far away from the superficial Merovingian ornament as from the obdurately conventional classic. Though the bases are heavy, the proportioning of the elements is such that the column is given a feeling of elegant solidity. There are uncarved knobs between the torus and the plinth. All the capitals and bases, as well as the alternate courses of the columns, have tenons built into the wall. The window jambs and sills are splayed in order to shed water and to facilitate lighting. There are examples in the neighborhood where, to prevent the water from running over the inside walls (or, as a French archæologist suggests, to prevent the dust showing), the inside sill is cut into steps. The voussoirs of the priory windows follow the plan of the sill and contain no carved ornament inside,



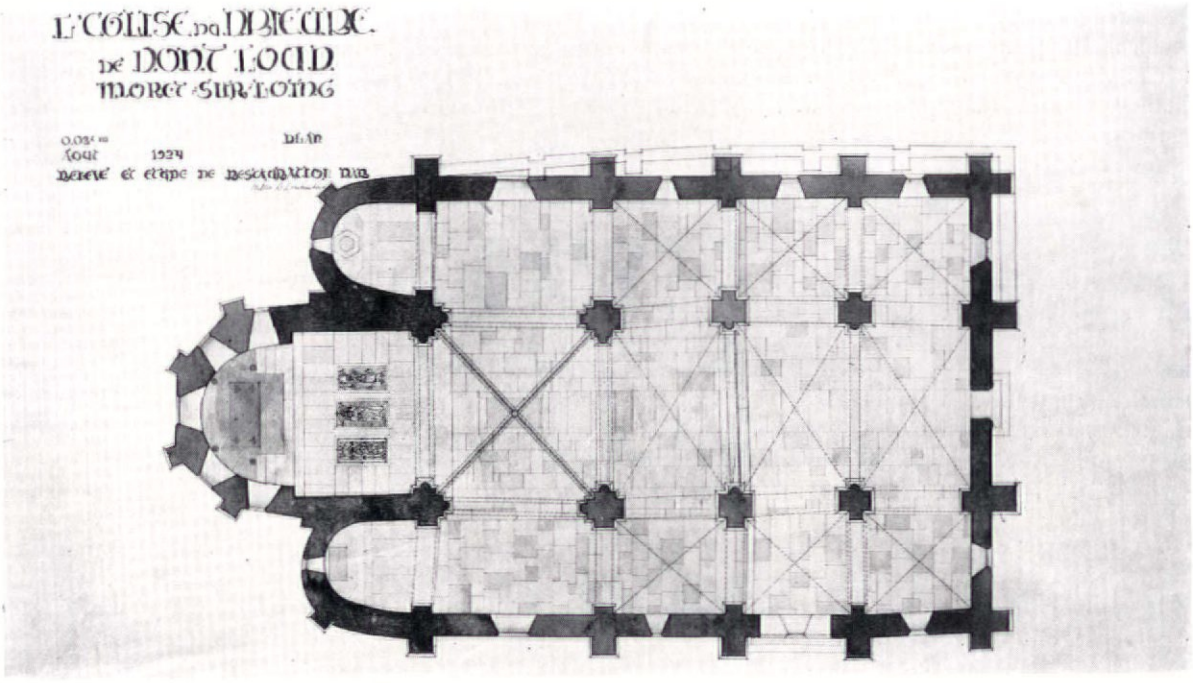
RESTORED NORTH ELEVATION
CHURCH OF THE PRIEURE DE PONTLOUP, MORET-SUR-LOING
FROM A MEASURED RENDERING BY MILTON D. LOWENSTEIN



RESTORED WEST AND EAST ELEVATIONS
CHURCH OF THE PRIEURE DE PONTLOUP, MORET-SUR-LOING
FROM A MEASURED RENDERING BY MILTON D. LOWENSTEIN



RESTORED CROSS AND LONGITUDINAL SECTIONS
CHURCH OF THE PRIEURE DE PONTLOUP, MORET-SUR-LOING
FROM A MEASURED RENDERING BY MILTON D. LOWENSTEIN



PLAN. PRIEURE DE PONTLOUP, MORET-SUR-LOING
FROM A MEASURED RENDERING BY MILTON D. LOWENSTEIN



MARKINGS ON TOMBS AT ST. MAMMES
FROM MEASURED DRAWINGS BY MILTON D. LOWENSTEIN

and (except in the western part of the north wall, which has the king's coat of arms) none outside.

The windows in the eastern or older part, are small and round headed, as well as is the window in the north wall of the first bay after the transept. The clerestory windows are slightly ogival and belong to a construction period later than does the apse. A study of the mouldings on the north door indicate that it was built in the latter part of the fifteenth century. Fenestration at the west end of the nave and at the ends of the transepts was usually treated by grouping two or three windows together. But in small churches the better practice was to keep a single window and to harmonize the composition with the clerestory. The restoration shows this treatment.

The tower is indicated as being square, following the design as seen in a seventeenth century wood cut. The style is that of the earlier part of the priory. It was probably vaulted at each of the floor levels. The use of glass was confined to the lower floors, and the openings in the belfry were made as large as possible. Here were hung the chimes which were removed in 1791 and sent to the mint in Paris. The tower roof was supported on wooden trusses and covered with slate. A metal ball usually surmounted the peak and contained relics to give protection against lightning. A wooden beamed ceiling might at first have covered the entire nave of the priory. When it was replaced by the groined vault, the wood-framed roof was retained. Instead of using the kingpost construction of antiquity, the roof trusses were formed into a letter "A" into which were let the longitudinal beams. The rafters were extended to the outside edges of the walls. That part of the roof which projected was carried by plain, heavy corbels on the eastern part of the priory, and upon a continuous string course on the newer western part. This entire superstructure of wood served as an "architectural umbrella" for the vaulting underneath.

Though no trace of it can now be found, painted decoration was added from time to time on the interior walls. Its style in the twelfth century must have possessed that piquant virility typical of Burgundian work, tempered by the modest humanism that was permeating the Ile de France. The paintings had neither the ornateness of southern decoration nor the severity of northern forms. Oriental fabrics, chests, ivories, pottery and glass suggested the technique and influenced the style. The subjects were remnants taken from a subtle classic philosophy and broadly interpreted by Christianity into the popular language. Nurtured in the restricted area of a town, these ideas must have developed a distinct local flavor but without sacrificing their folk-art quality with its humanistic common denominator. The so-called barbaric work on painted vases made in Greece in the century VIII B.C. would make an interesting comparison with objects in this "Romanesque" style.

By the end of the thirteenth century monasticism had lost its force as an instrument of the king. By a gradual introduction of Roman civil law, Philip IV abrogated all local authority. He excluded ecclesiastics from office in the parliament formed in 1287, and in 1307 the Knights of the Order of Templars were arrested on various charges of heresy, and their property was forfeited. Guillaume de Noyers, the third prior of the Prieure de Pontloup, who entered office in 1383, cites an indication of monastic decadence in his account of the war between John the Good and Charles, King of Navarre. "Owing to the fortunes of war," he writes, "the buildings and other resources of the priory were considerably reduced." One can understand the confusion of the time when destruction wrought in 1359 was not yet repaired in 1383.

It was not until the end of the fourteenth century that the western part of the priory was rebuilt. The stereotomy of the base and lower courses corresponds with that of the eastern part and indicates that the original priory church occupied the entire site of the present building. The reconstruction included everything west of the transept. It is difficult to explain the portion of a partition which extends across the junction.

The prior lived at Vezelay and rented "*la recette generale du revenu temporal*" to agents who received a part of the tithes collected from the old mill and what little remained of the other feudal holdings. The religious fanaticism of a passing dynasty interrupted the process of deterioration to effect a further restoration. Among Henry II's chivalric gestures are the heraldic emblems carved on the window lintels of the north wall. In 1747 the seminary of Sens, which had annexed the priory, proposed to demolish it. But two old monks who were acting as caretakers succeeded in moving the town authorities to oppose the project on the grounds of sacrilege. Even after the revolution the crumbling walls still guarded some of the original relics,—a fragment of the altar and the chimes. Neighboring towns bid for the spoils. One of them, with a church of approximately the same period, secured the altar. The national government intervened when it came to the question of the chimes, and they were claimed for the mint in Paris. The reliquary, the design of which is suggested in the section, went to the town cathedral. This legitimate destiny, however, did not save the relics themselves from the scruples of enlightenment. In 1858 the bishop ordered the cure of Moret to bury the relics in the cemetery, since no certificates of authenticity could be produced!

AND NOW—A "MODERN" HOUSE

BY

R. W. SEXTON

WE are gradually becoming accustomed to "modern" architecture. We find the sharp angles that once disturbed us not at all illogical; strange forms do not seem as eccentric as they once did, and even purely geometrical motifs seem to have an ornamental value that only a few months ago we would never have thought possible. A change from sixteenth century ideas to twentieth century ideas at one sweep is bound to jar us by its very suddenness. But already we admit, to ourselves at least, that we do more work, and get more pleasure out of it, in a modern office building; that we really enjoy a play more in a modern theater, and that we find a meal tastes better in a restaurant designed in the modern manner. But a modern house! Why?

A "modern" house is not a "freak" house (although that is what most people think it must be) any more than a modern office building is a "freak." A "modern" house, after all, is one in the design of which the architect has given expression to his creative ability. Although a house in the modern style naturally suggests that the designer does not follow too closely any one style or period of architecture, it must not be understood that the design of such a house cannot bear certain evidence of the influence of some historic style or period. A house is modern because its plan is developed to conform to the needs and requirements of those who are to live therein; because its design reflects the character and personality of the owner; and because it is constructed of materials which are peculiar to the times and to its locality.

According to this formula, the house of H. L. Hoyt at Great Neck, N. Y., is a modern house. There is nothing radical about the design, and yet it cannot be said of it that it is designed in the style of some historic period. The architect, Julius Gregory, was presented with a modern problem, and a logical solution has naturally resulted in a house that is modern. It is particularly interesting to note that those details of the design which are peculiarly modern in character have been attained by the use of stucco. We so often think that a modern house must be a house constructed of unusual materials. Here is a house of frame construction, with exterior walls of stucco, and yet in many details the design does not follow lines which we have by custom come to associate with stucco. An original design, naturally, to be a good design, must conform at the same time to certain established principles of architecture. One of the most vital of these principles is to retain in the design a character that is in keeping with the material in which the design takes form. It is because Mr. Gregory has applied this principle, while giving expression to his creative ability, that this house at Great Neck is so interesting.



Photos, George H. Van Anda

House of H. L. Hoyt, Esq., Great Neck, N. Y.

Julius Gregory, Architect



ENTRANCE FRONT



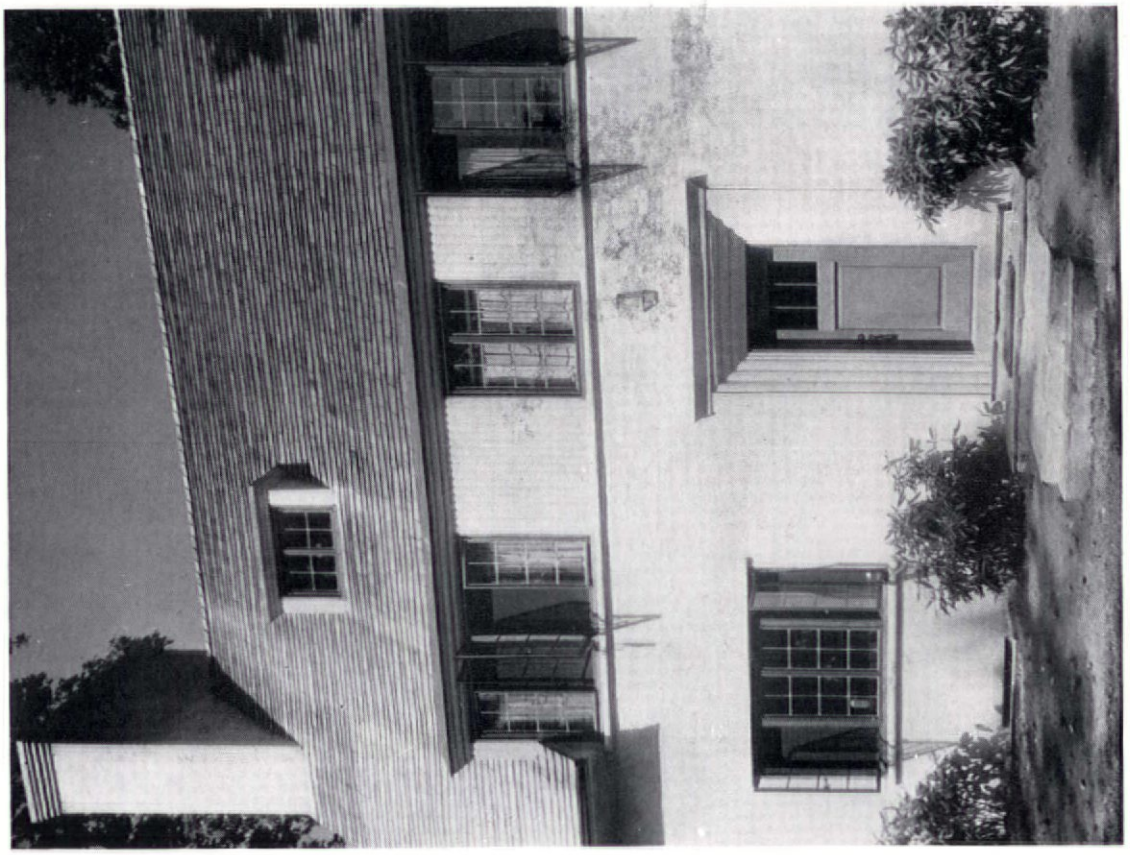
GARDEN FRONT

HOUSE OF H. L. HOYT, ESQ., GREAT NECK, N. Y.

JULIUS GREGORY, ARCHITECT



DINING ROOM BAY



ENTRANCE DOOR

HOUSE OF H. L. HOYT, ESQ., GREAT NECK, N. Y.
JULIUS GREGORY, ARCHITECT



DETAIL IN BEDROOM
HOUSE OF H. L. HOYT, ESQ., GREAT NECK, N. Y.
JULIUS GREGORY, ARCHITECT

THE WYE HOUSE ORANGERIE

BY

J. DONNELL TILGHMAN

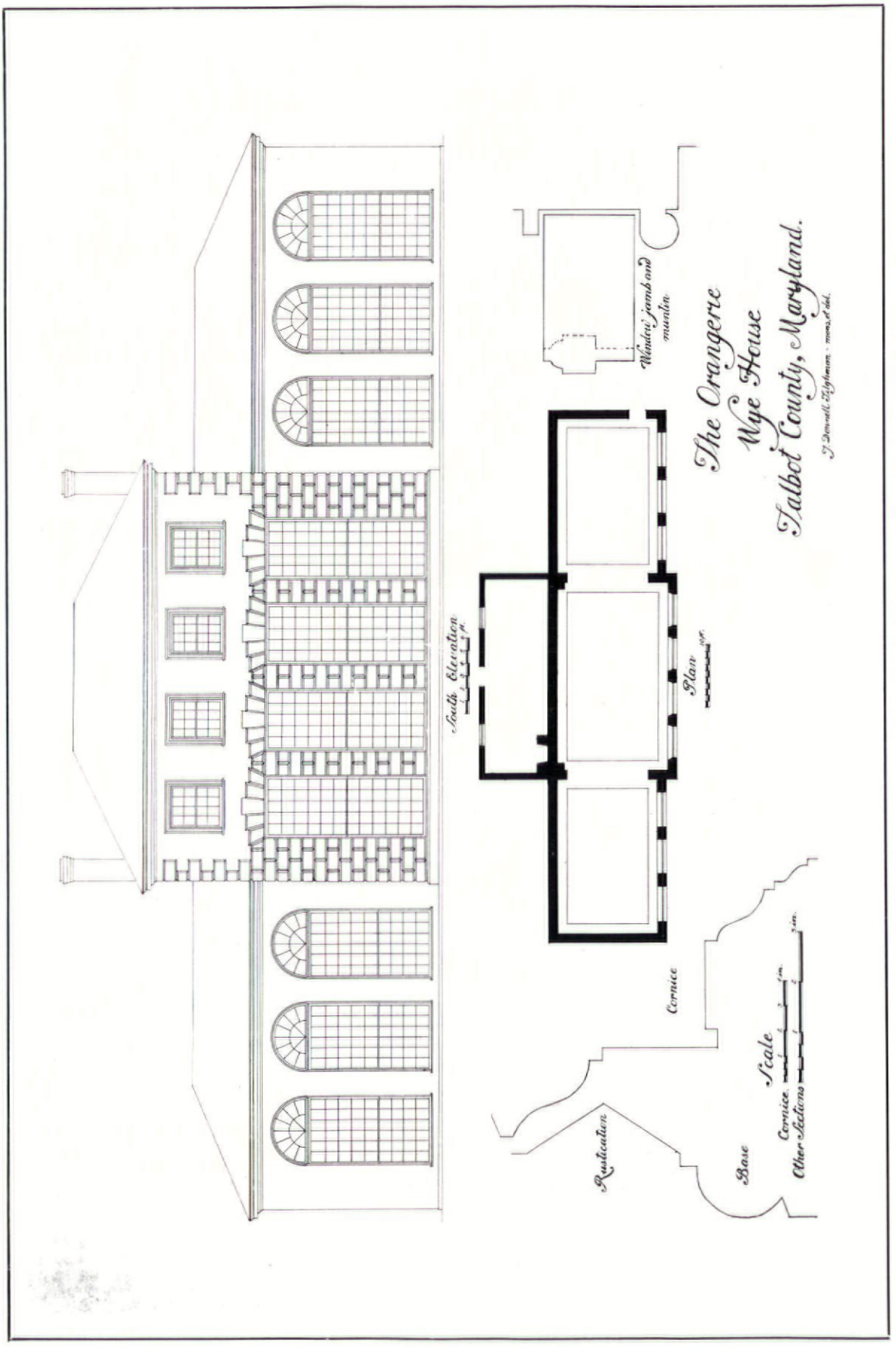
THE orangerie at Wye House, in Maryland, is in all probability the only old example of this type of building in this country. There is no record of the date of its erection, nor is it possible to guess at this with any degree of accuracy, since it is totally different in style from anything else in early American architecture. Wye House itself, of which there is also no definite building date, was constructed some time during the last quarter of the eighteenth century. Traditionally, the orangerie is older, a supposition well borne out by the fact that it is considerably off axis with the house, which it faces across a long bowling green. There is additional evidence that it was part of an earlier garden scheme surrounding the old house, which was partly destroyed by fire.

The orangerie is constructed of brick covered with stucco. The quoins are of stone, although the lintels over the windows are of wood carved to represent stone. The roofs are of shingles. In the second story there is a billiard room which still contains the old table, this room being reached by an outside stairway. The low shed at the back contained a furnace that was fired with large sticks of wood. The smoke from this furnace passed under the floor before finding its way out one of the chimneys. Combined with the sunlight, this produced sufficient heat for the raising of citrous fruits. The building, in the memory of people still living, was used as an orangerie. Both orange and lemon trees, planted in tubs of almost exactly the same design as those still used at Versailles, were kept in the orangerie in cold weather, and were set about the garden during the summer months. Enough fruit was raised to supply the household.

The Wye orangerie, which is as beautiful as it is unusual, is the focal point of one of the most extensive and beautiful American gardens that date from the eighteenth century. Unfortunately, the accompanying illustration shows no part of the gardens. A broad lawn flanked by tall shrubbery and trees forms the simple setting of this interesting and unusual bit of architecture. It is interesting to realize that even in this country prior to 1800 great mansions and estates were built by the rich and distinguished Cavalier families of the south, homes rivaling in beauty and importance the work being done in Georgian England at that time. The care shown in the study of this design is characteristic of the architectural work of this period. The windows are well proportioned and in splendid scale. Not only the small, square windows of the billiard room on the second floor, but also the many small panes emphasize and indicate the unusual size of the great windows of the first story.



The Orangerie, Wye House, Talbot County, Md.



DETAIL AND PLAN. THE ORANGERIE, WYE HOUSE, TALBOT COUNTY, MD.
FROM A MEASURED DRAWING BY J. DONNELL TILGHMAN

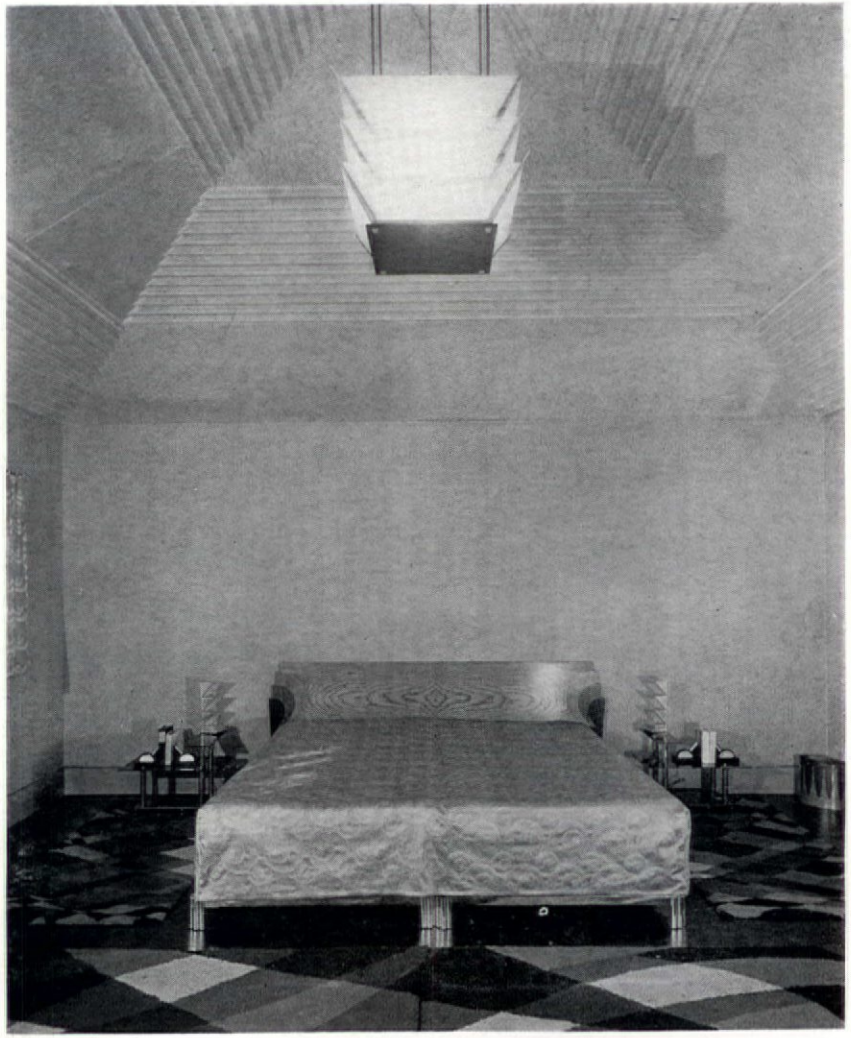


Photos. Drix Duryea

Guest Room, House of James L. Breese, Esq., Southampton, N. Y. Architecture and Furniture by Herbert Lippmann. Decorations by Francis T. Miller, Inc.

Architectural Treatment. Ceilings: Natural Gray, Plain and Corrugated Asbestos Material; Ceiling Made Into Truncated Square; Plain Pyramid Under Slope of Roof. Walls: Covered with Natural Colored Patterned Jute. Windows and Doors: Chromium Plated Brass Bars Around Windows and Doors and Above Base, Jute Nailing Covered by These Bars; and on Doors Themselves. The Jute Ends Also are Covered by Chromium Plated Brass Angles. Flooring: Three Shades of Cork Composition Tile with Narrow Borders and Field Designed Paralleling Beds. Mirrors have Monel Metal Frames and Ground Glass Below to Provide Lighting. The Wood Shelves are Lacquered Black.

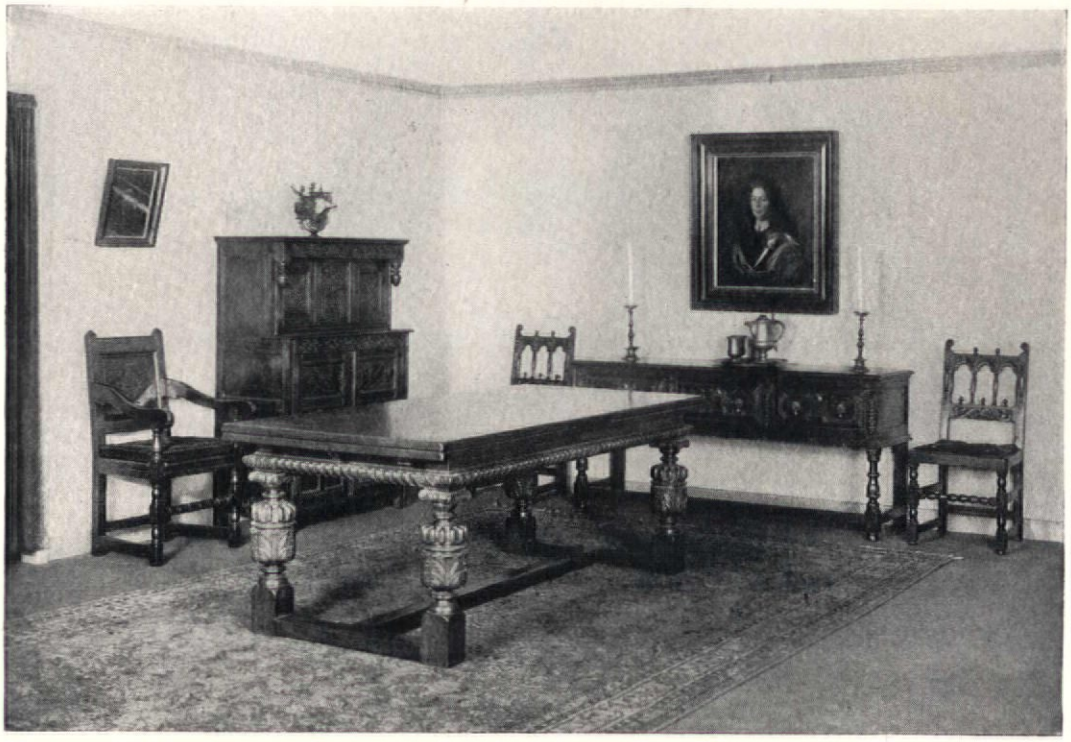




Guest Room, House of James L. Breese, Esq., Southampton, N. Y. Architecture and Furniture by Herbert Lippmann. Decorations by Francis T. Miller, Inc. Furniture: Beds, Separate Head-board Hooked to Wall, Veneered with Tamo, Walnut and Macassar Ebony; Bed Frames of Standard Brass Angles and Round Bars, All Chromium Plated. Woman's Dresser, with Mirrors, Lights, Drawers, Tray; Veneered with Zebra Wood and Rosewood, No Projecting Draw-pulls Finger Grooves in Scalloped Pattern on Edges of Drawer Fronts. Man's Dresser, with Top Jewel Drawer, Veneered with Zebra Wood and Rosewood: No Projecting Draw-pulls, as Drawers Set Forward Over One Another and Finger Grooves are Under Projections. Hand-hooked Rugs. Stool Upholstered in Unborn-Calf Skin; Curtains, Embroidered Ecru Net; Bedspread, Embroidered Ecru Silk, Quilted Effect.

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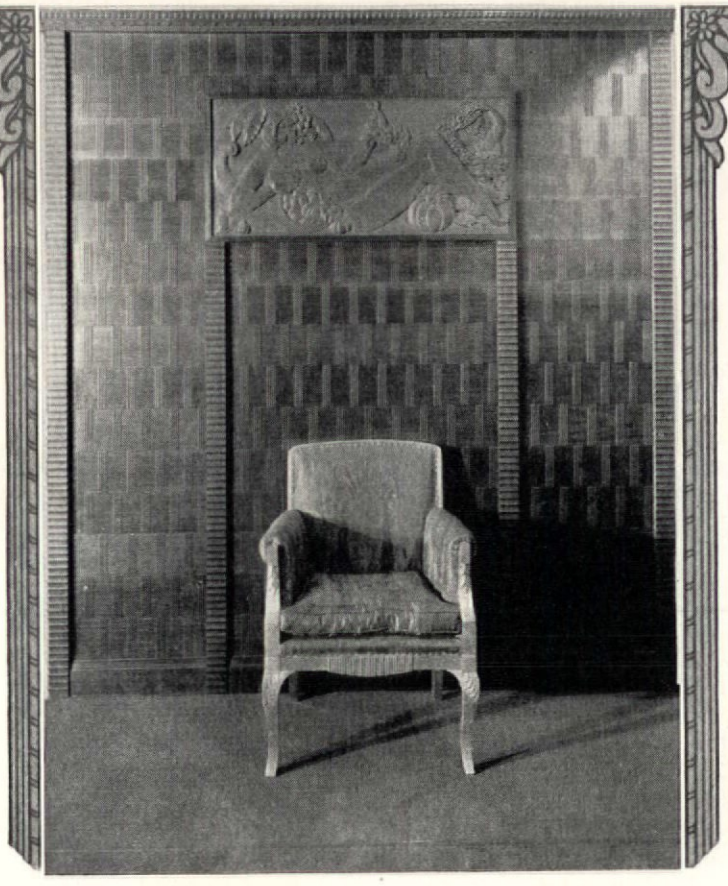
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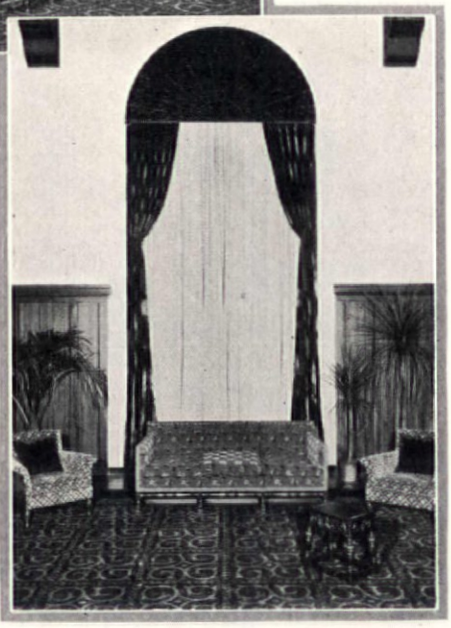


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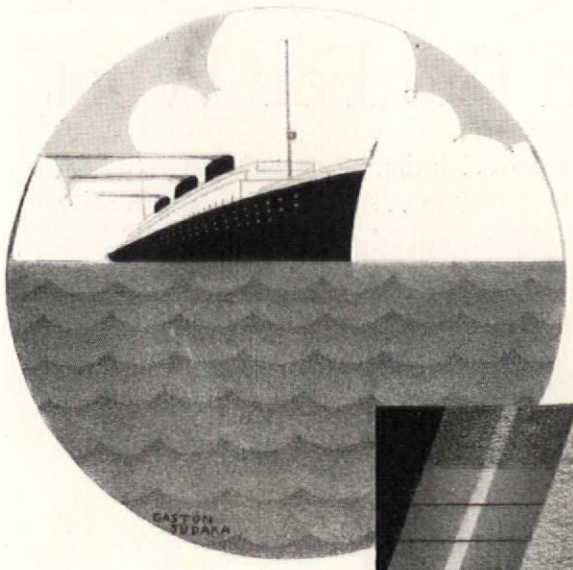
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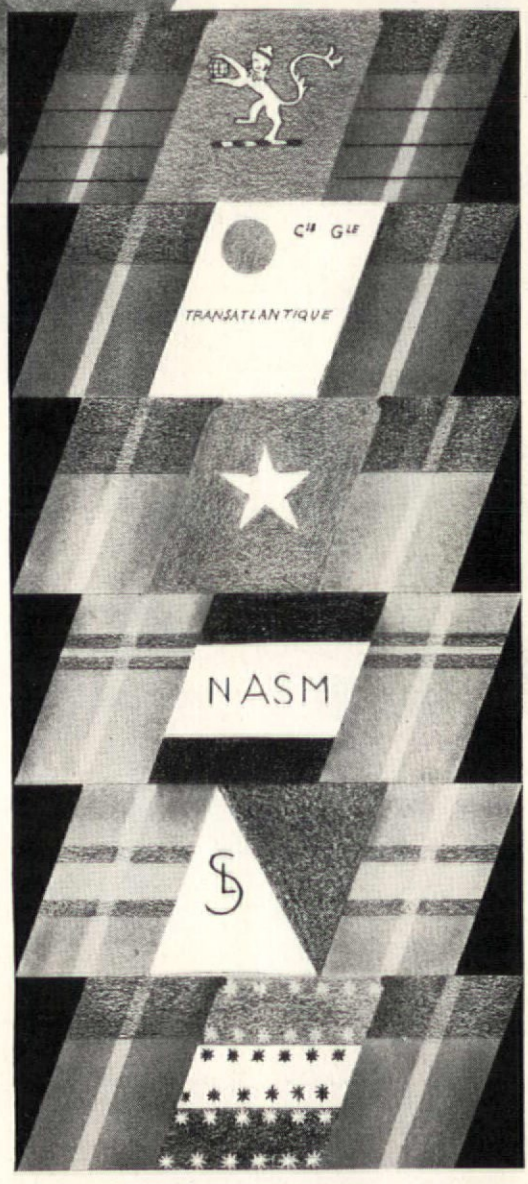
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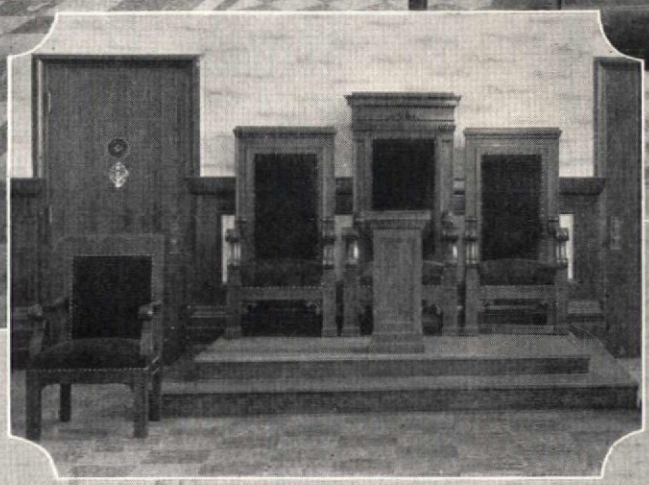
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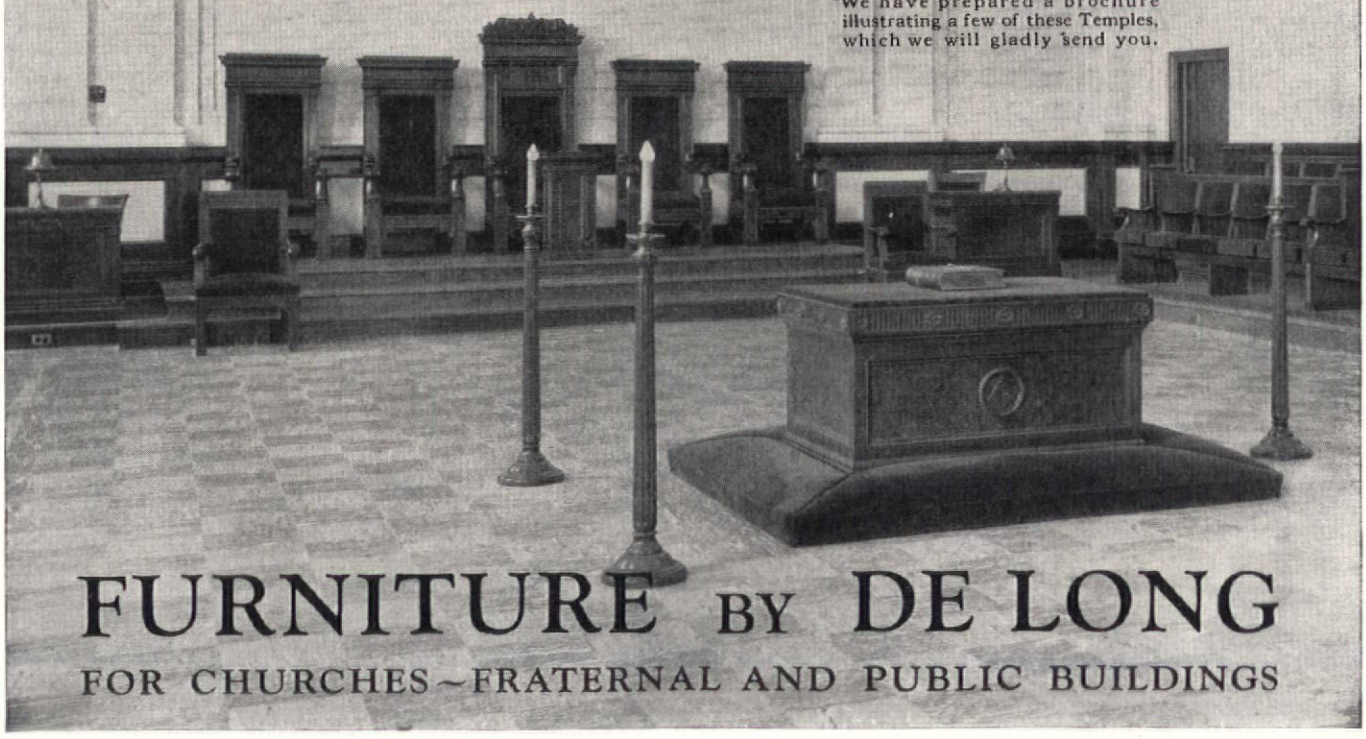


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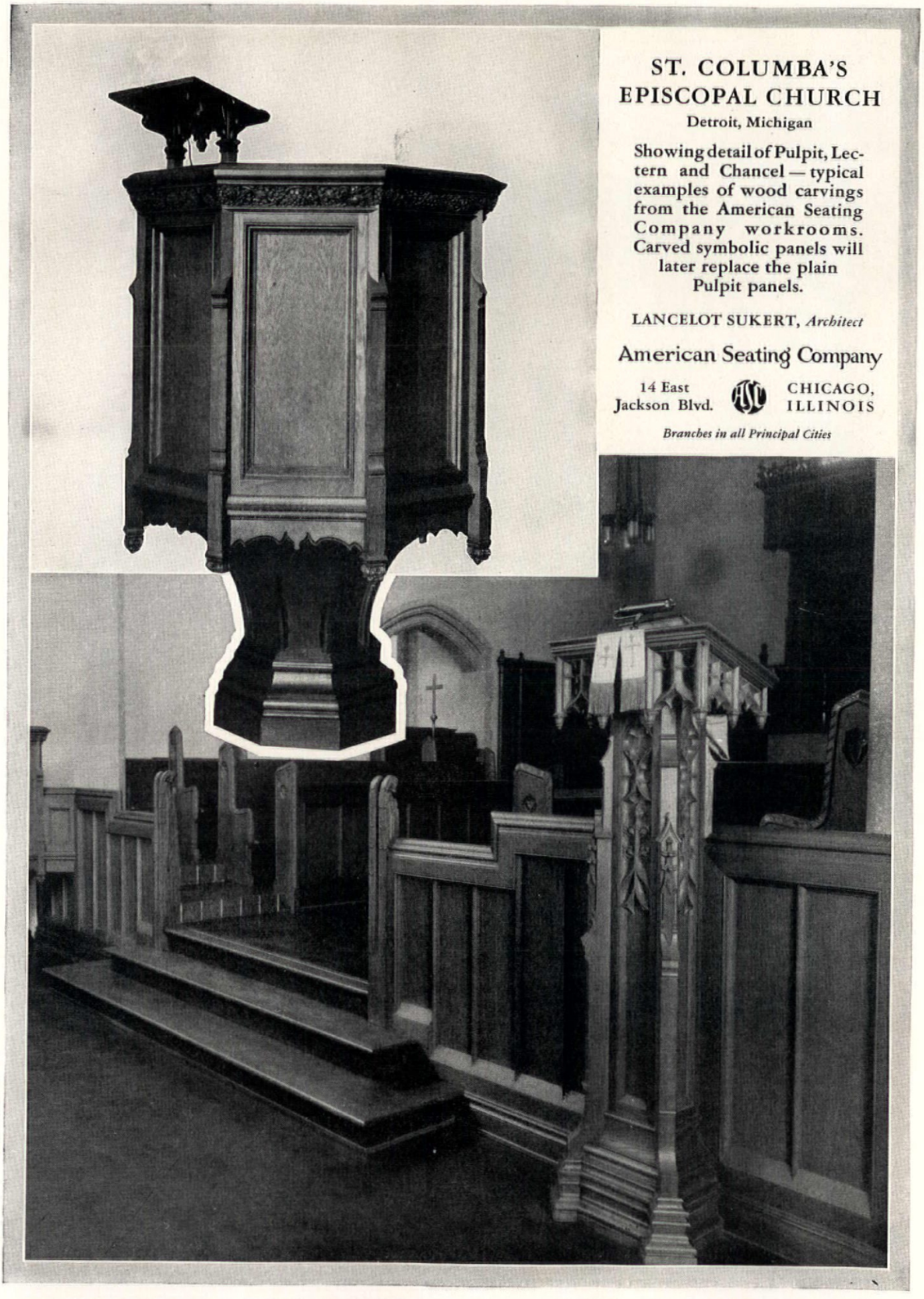
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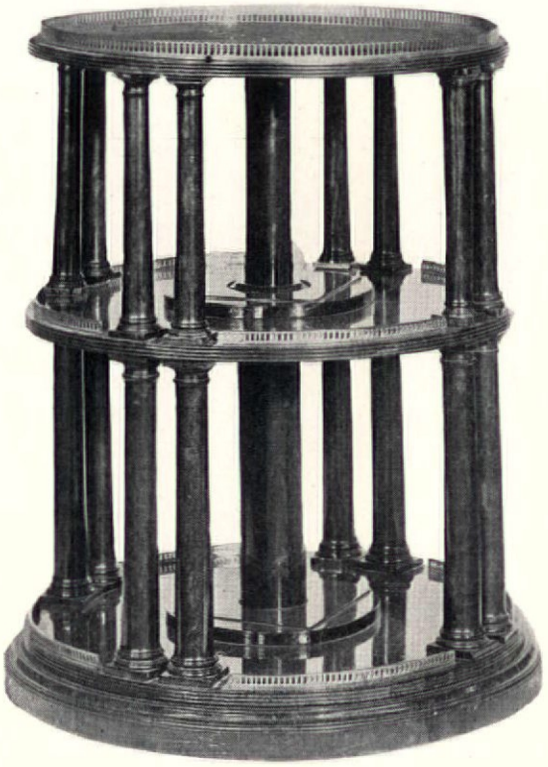
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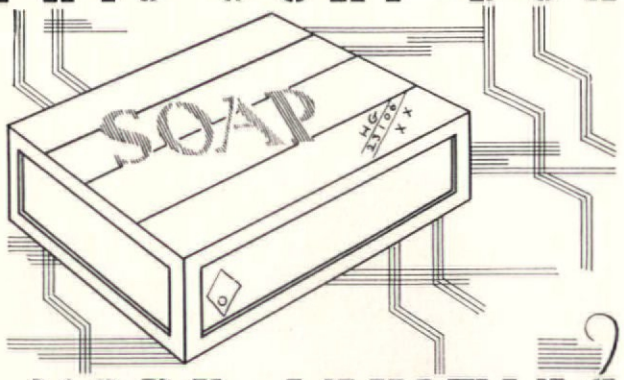
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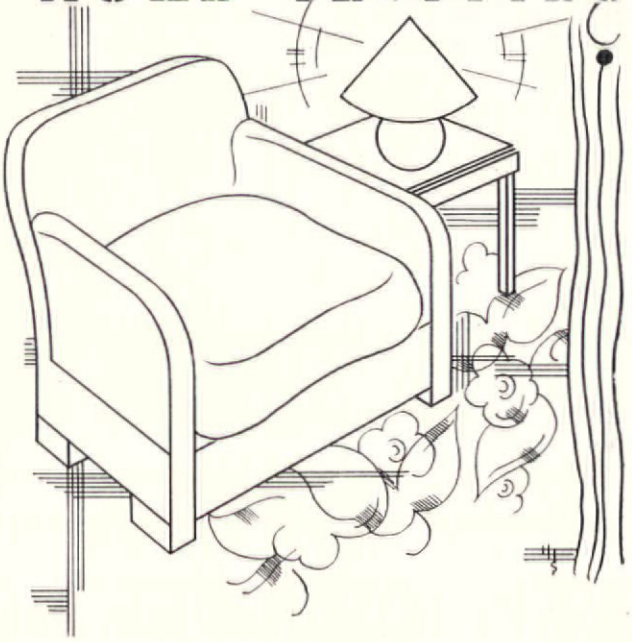
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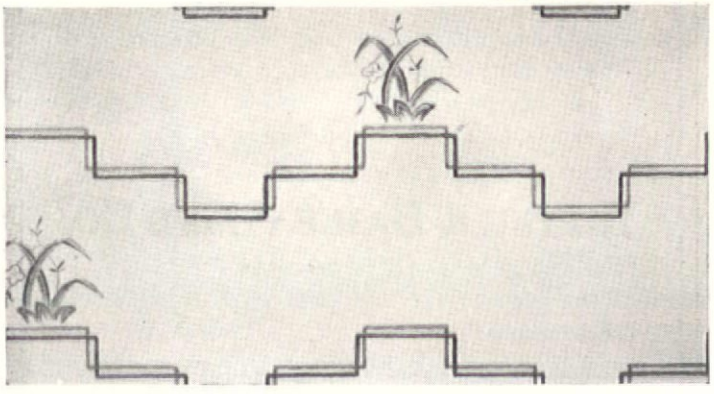
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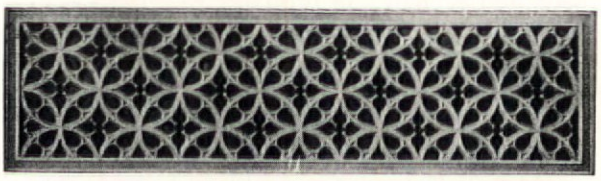
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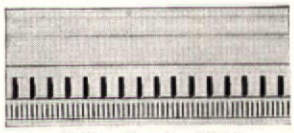


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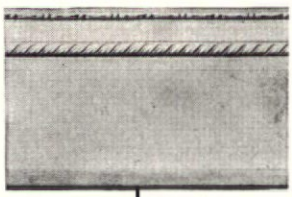
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Chair Rail CR-7



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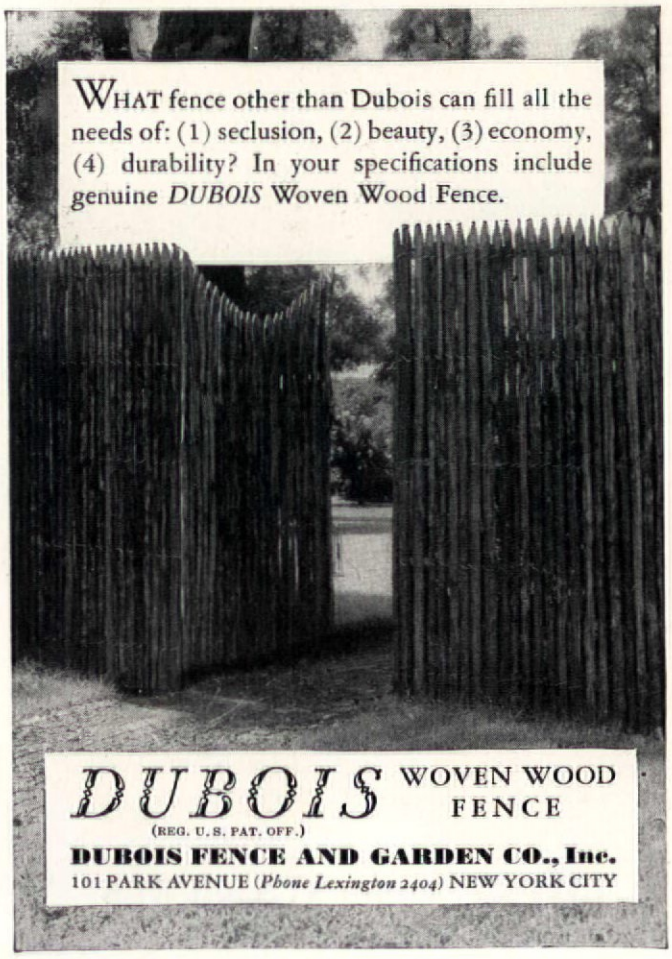
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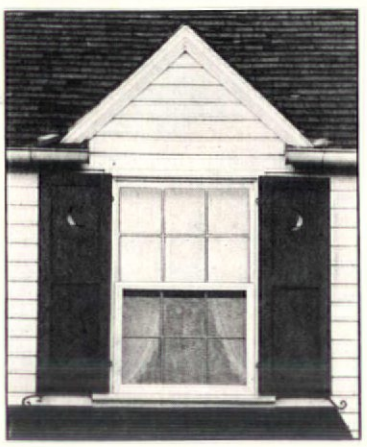
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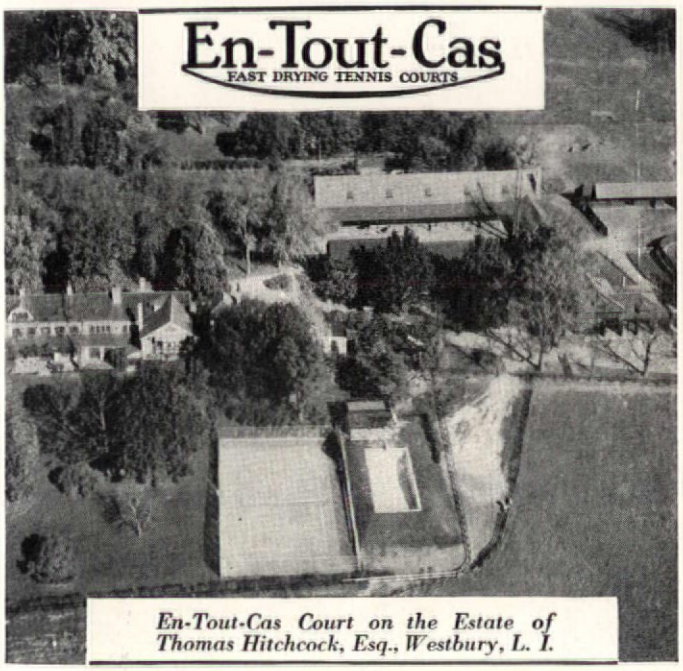
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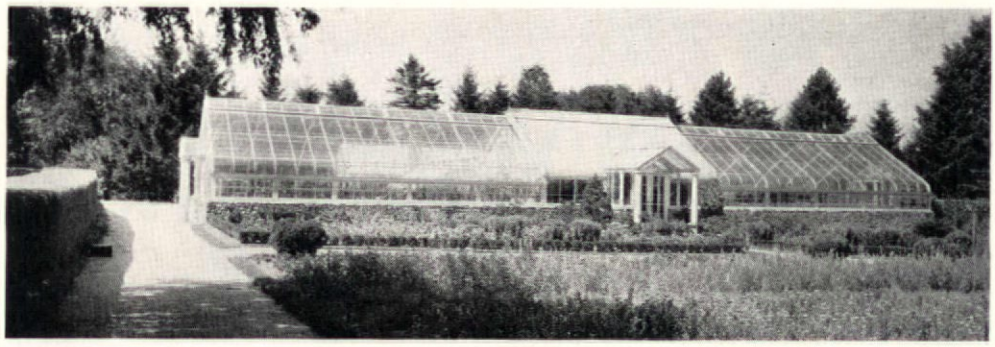


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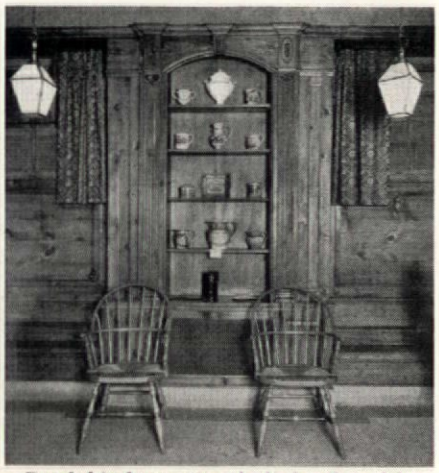
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A stucco interior done with BEST BROS. Keene's Cement in the Plaza Theatre, Kansas City, Mo. Architects: Edward W. Tanner & Boller Bros.; Builders: J. C. Nichols Companies; Plasterers: Walter Plastering Company.

MODERN effects in interior stucco, unusually beautiful and of enduring quality, are readily attained by the use of BEST BROS. Keene's Cement. This pure gypsum product, because of its uniform high quality, easy workability and super strength, assures satisfaction and economy on any job... large or small. A letter or card will bring you further interesting details.

BEST BROS. KEENE'S CEMENT CO.
1051 W. 2nd Ave., MEDICINE LODGE, KAN.
Sales Offices in: New York, Chicago, Detroit, St. Louis, San Francisco, Atlanta (31)

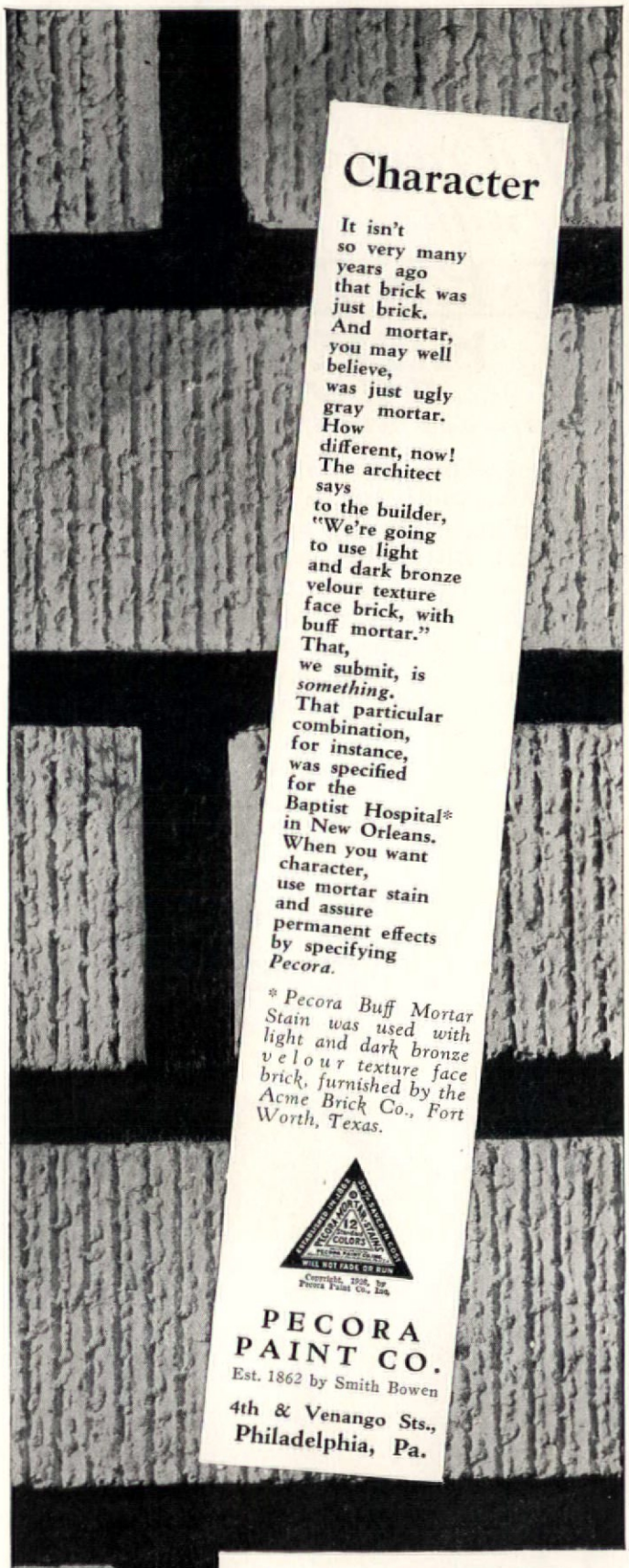


Corner of living room of Dr. Willard P. Earngey, Rockford, Ill. Bradley & Bradley, Architects; Clyde J. Safford, Contractor; Louis O. Daedler, Plasterer.





Living room of the LeRoy Bush residence, St. Louis. Maritz & Young, Architects; Higbee Construction Co., Contractor; George Robertson, Plasterer.



Character

It isn't
so very many
years ago
that brick was
just brick.
And mortar,
you may well
believe,
was just ugly
gray mortar.
How
different, now!
The architect
says
to the builder,
"We're going
to use light
and dark bronze
velour texture
face brick, with
buff mortar."
That,
we submit, is
something.
That particular
combination,
for instance,
was specified
for the
Baptist Hospital*
in New Orleans.
When you want
character,
use mortar stain
and assure
permanent effects
by specifying
Pecora.

* *Pecora Buff Mortar Stain was used with light and dark bronze velour texture face brick, furnished by the Acme Brick Co., Fort Worth, Texas.*

Copyright, 1926, by Pecora Paint Co., Inc.

PECORA
PAINT CO.
Est. 1862 by Smith Bowen
4th & Venango Sts.,
Philadelphia, Pa.

An Attractive Folder

in colors will be gladly sent you on request.

Please use your letterhead or write name and address in the margin—Pecora.



A DURAFLEX TILE INSTALLATION *in the International Magazine Building, 959 Eighth Avenue, New York City. Huberth & Huberth, Agents, 2 Columbus Circle, New York City.*

Conquer Noise and Wear *with this Amazing Tile*

DURAFLEX TILE is resilient — quiet underfoot — restful, a joy to walk on. And, like Duraflex-A Flooring, it will last for years because of the time-tested Duraflex formula of resilient and wear-resistant ingredients. Easy to keep clean and sanitary because its smooth surface is impervious to acids, alkalies, fire or water. Comes in a variety of colors and the floors can be used immediately after laying. Write for Color Chart and other data. The Duraflex Company, Inc., Baltimore, Md. Offices in principal Cities.

DURAFLEX
MASTIC TILE
and
DURAFLEX-A FLOORING

HIGGINS'

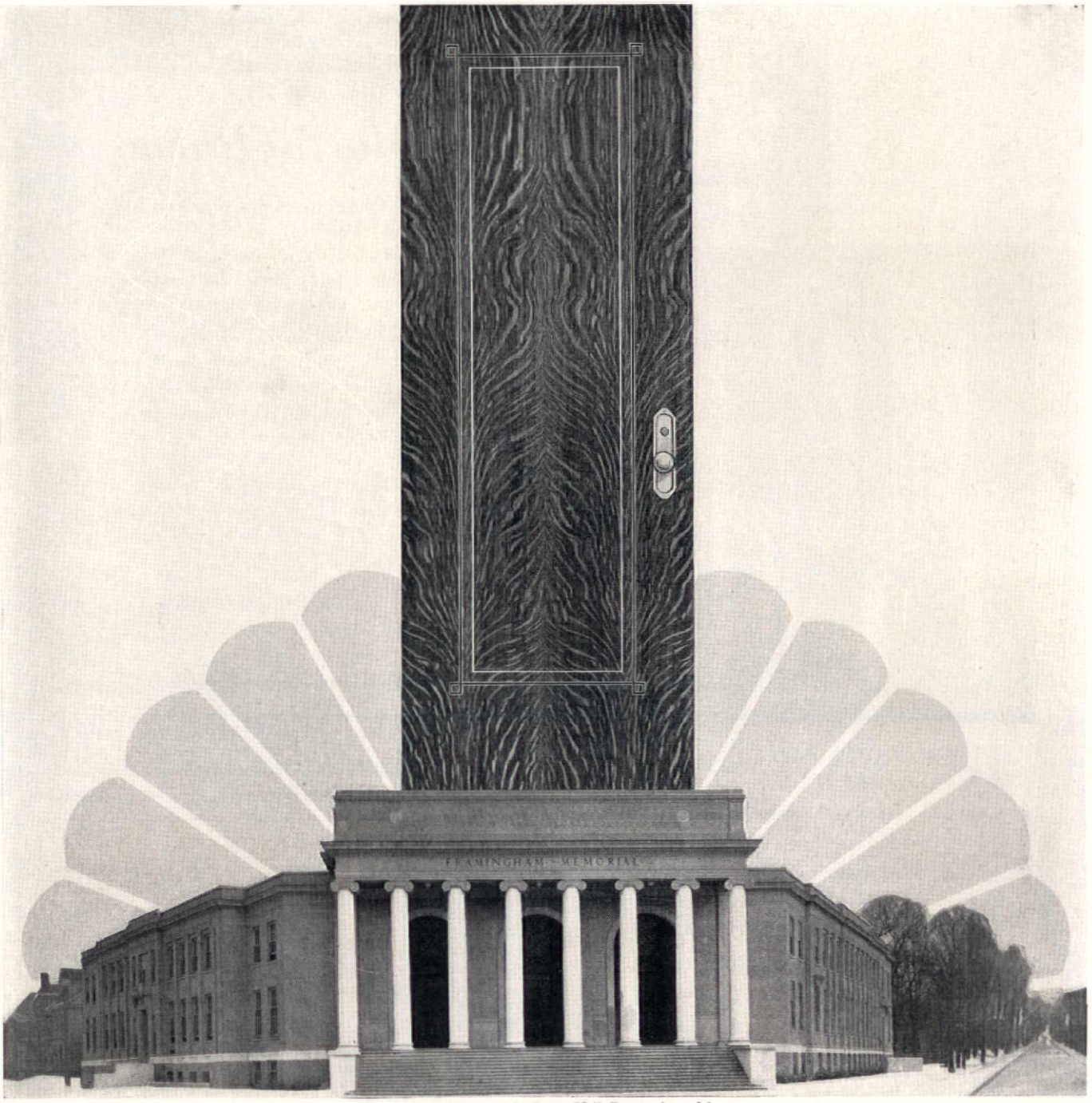
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(Each color shows up differently when blueprinted)
For the finest renderings of perspectives, elevations, and settings as well!

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World-Leaders in Drawing Ink Manufacture for Almost Half a Century



Colored Drawing Inks



Framingham Memorial & Town Hall, Framingham, Mass.
Ashton, Huntress & Alter, Architects.

EXCELLENCE OF WORKMANSHIP

Where the very finest is desired, Roddis Flush Doors are selected.

Their completely solid 5-ply construction itself assures perfect quality.

Roddis thoughtful workmanship and finish of design complete the high excellence and relative architectural beauty demanded for fine buildings.

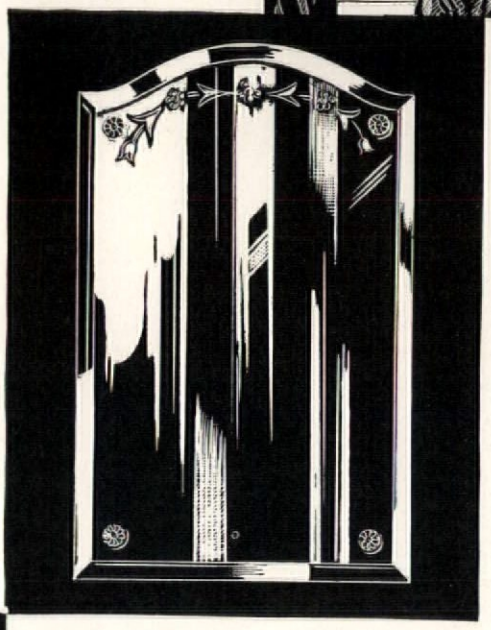
The new Roddis catalog, replete with new door pictures, interestingly describes the details of Roddis door construction and advantages: a copy gladly mailed upon request.

RODDIS LUMBER & VENEER COMPANY
127 FOURTH ST. . . *Established 1890* . . MARSHFIELD, WIS.
Distributors In All Principal Cities
Manufacturer of Flush, French, Panel and Custom Built Doors

Trade Mark
This Red-White-Blue Dowel Trade Mark is on the edge of the Roddis Flush Door. It is the Roddis mark of identity and quality.

RODDIS FLUSH DOORS





BATHROOMS SELL HOMES—Hess Mirrored Cabinets sell bathrooms—in your new construction—in remodeling—a Hess Steel Mirrored Cabinet in the bathroom, concealed behind a large mirror of fine beveled plate glass, will give that feeling of comfort and luxury that far offsets the price. A wide variety of styles and sizes to meet any service. Mail the coupon below for catalog and prices on Hess Mirrored Cabinets.

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1216 South Western Ave., Chicago

HESS MIRRORED CABINETS

HESS WARMING & VENTILATING CO.
1216 S. Western Ave., Chicago, Ill.

I am interested in Hess Mirrored Cabinets. Send me your complete catalog.

Name.....

Address.....

Nature's Permanent Mineral Colors

Colorful Homes

DO you plan homes with the folk of yesterday in mind? You *should* plan them to meet the exacting demands of particular people—the home buyers of tomorrow!

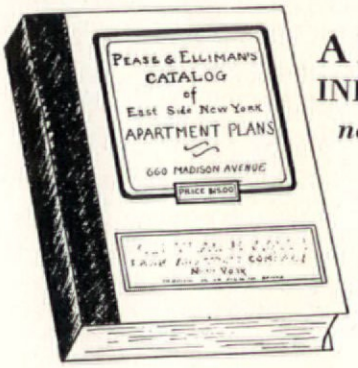
The home buyers of tomorrow are turning to homes in color. They want color because it has passed from fad to fact! Both the interior and exterior of the modern building reflect this tendency. And Clinton Colors continue to occupy a ranking place in architects' specifications. Let us tell you more about them!

CLINTON METALLIC PAINT CO.
4119 Clinton Road, Clinton, N. Y.

Made Since 1887

Made Since 1887

Clinton Mortar Colors



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Indispensable to architects, builders, engineers and real estate brokers.

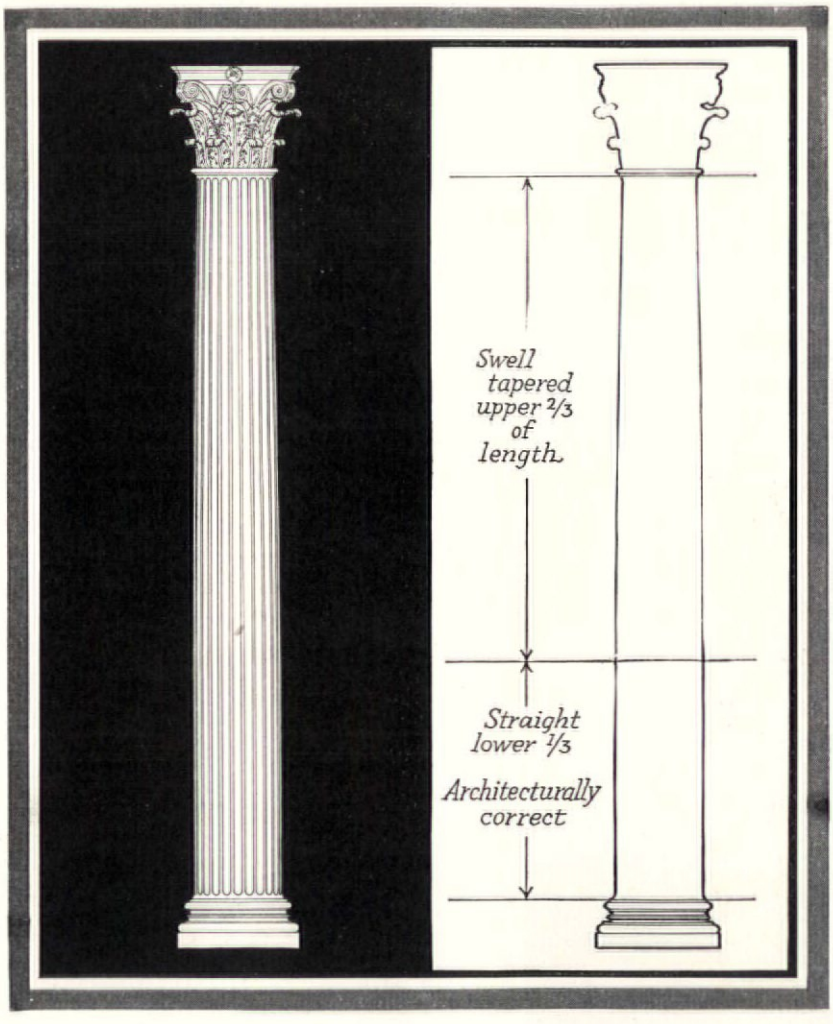
$15.00 the copy

Send orders to

PEASE & ELLIMAN INC.
660 Madison Ave.

Famous KOLL LOCK-JOINT COLUMNS cost little, if any, more

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1. Koll lock-joint columns *cannot* come apart.
2. Not a knot in ten thousand Koll columns.
3. Correctly proportioned, according to the five orders of architecture.
4. Also made to architects' detail.
5. Asphaltum paint waterproofing inside all large columns.
6. Ventilated plinths, wood or cast iron, the latter recommended.
7. Staves same thickness full length of shaft, for maximum carrying strength.
8. Workmanship and lasting qualities fully guaranteed.

These booklets gladly sent



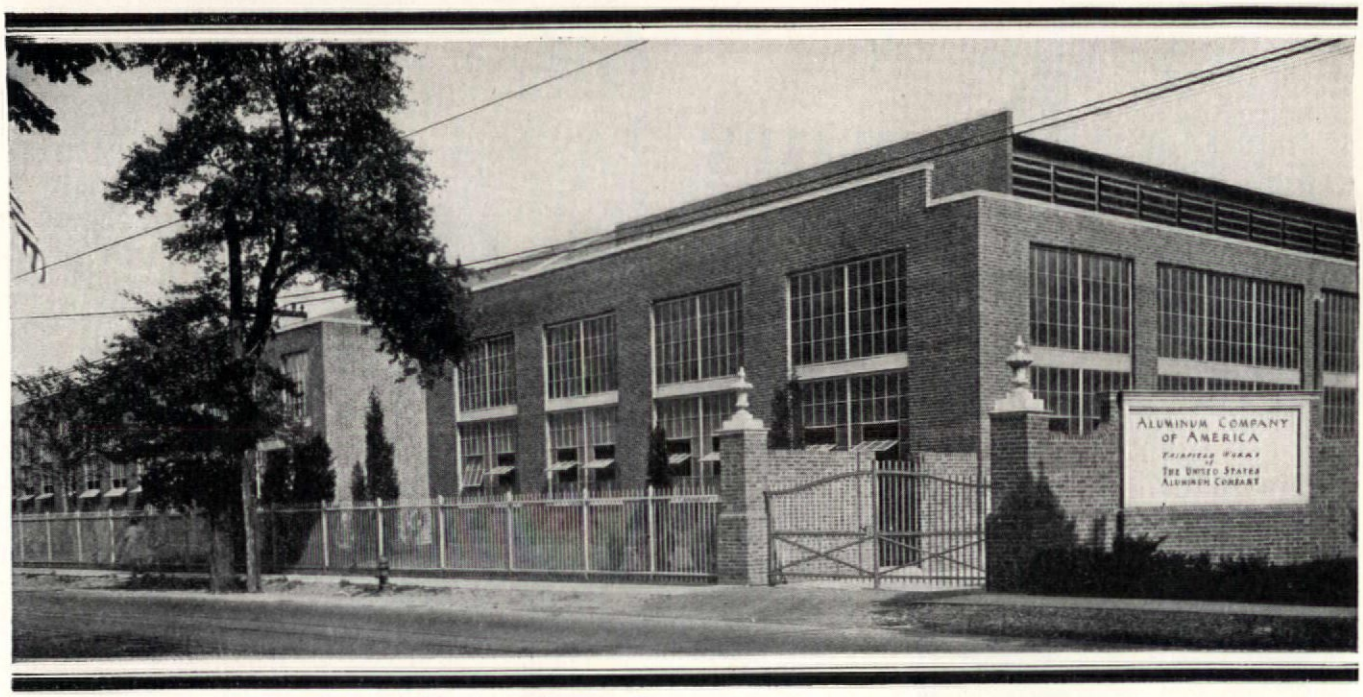
Hartmann-Sanders has just published two interesting booklets, illustrating a notable group of columns, entrances and garden equipment. Architects and builders are invited to write for booklets numbers 53 and 48. No charge. Hartmann-Sanders Co., Factory and Showroom: 2151 Elston Avenue, Chicago. Eastern Office and Showroom: Dept. I, 6 East 39th Street, New York City.

HARTMANN-SANDERS

KOLL COLUMNS COLONIAL ENTRANCES PERGOLAS

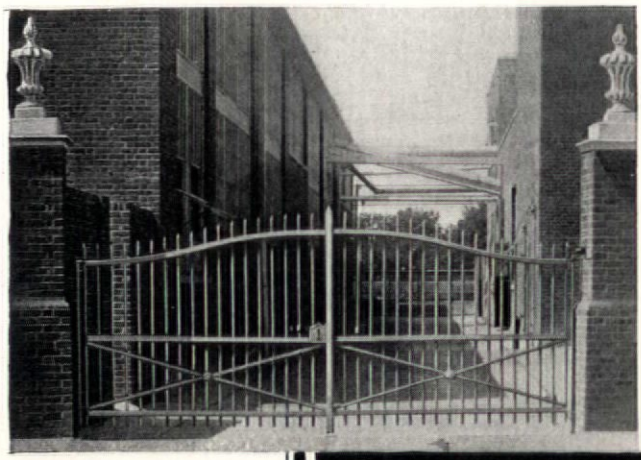
ROSE ARBORS GARDEN EQUIPMENT

ARCHITECTURAL ALUMINUM



The Fairfield foundry of Aluminum Company of America, located at Fairfield, Conn. Architects, Clark and Arms ,101 Park Ave., New York City.

This gate and the fence in the larger picture above is fabricated from Aluminum Alloy. Bright and everlasting. No painting, no upkeep cost.



THE practical economy of Aluminum . . . its lightness, strength and workability . . . the opportunity it offers for ornamentation and design, constantly increases its range of usefulness.

Much development work along new and interesting lines is going forward at Aluminum Company of America's Fairfield foundry.

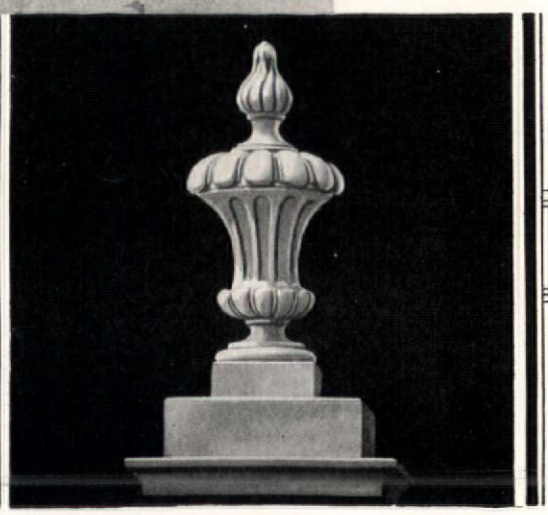
That plant, equipped to produce intricate and precise Aluminum alloy castings, is also making thorough and practical tests under actual maintenance conditions, of those items it has designed and produced for use in the architectural field.

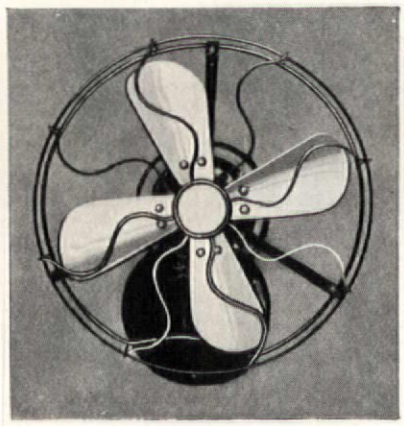
The various Aluminum alloy castings shown and

An ornamental Aluminum Alloy casting that tops the gate posts.



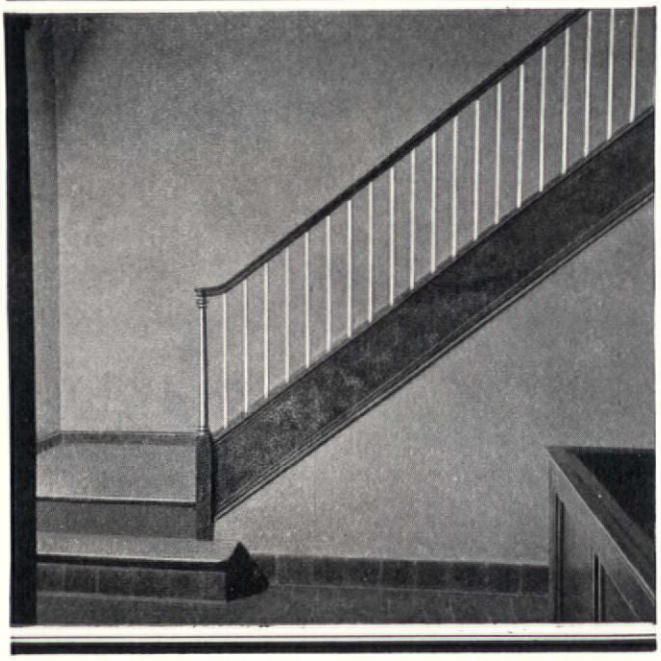
ALCOA





Even the blades and guard wires of the electric fans in this plant are made of Aluminum, light, graceful, non-rusting.

ARCHITECTURAL ALUMINUM



The beauty and grace of this Aluminum stairway must be seen to be appreciated. No creaks. No splintered banister rails. No repainting or varnishing.



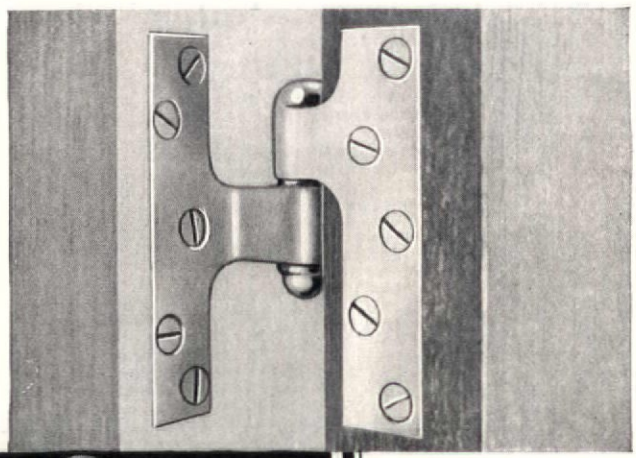
This door trim and the stair rails, fabricated from Aluminum alloy, reflect the spirit of modernism in the material employed.

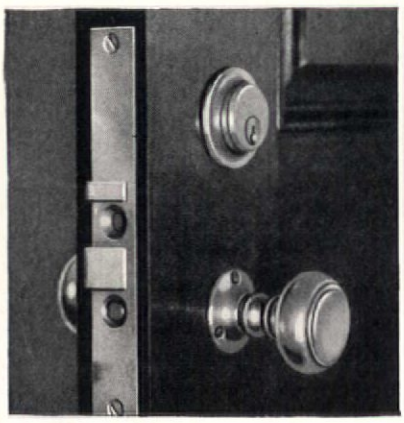
described in these pages, have been built into and around the Fairfield plant, and their durability, utility and maintenance economy are subjected to constant, careful and critical scrutiny.

The Company will gladly furnish complete information concerning any of the architectural items shown here and would like in addition to send you its booklet "Architectural Aluminum," which sets forth many other and interesting uses of Aluminum in the architectural field. Just write

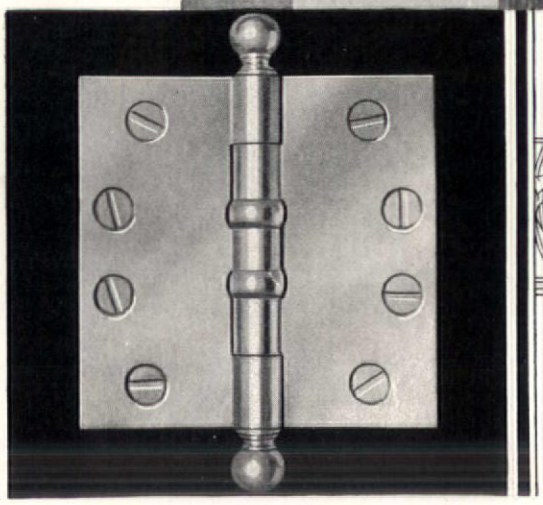
ALUMINUM COMPANY OF AMERICA
2499 3 Oliver Bldg., Pittsburgh, Pa.
Offices in 19 Principal American Cities

The proverbial "rusty hinge" is a term that can never be applied to an Aluminum door hinge. It will withstand the ravages of centuries.





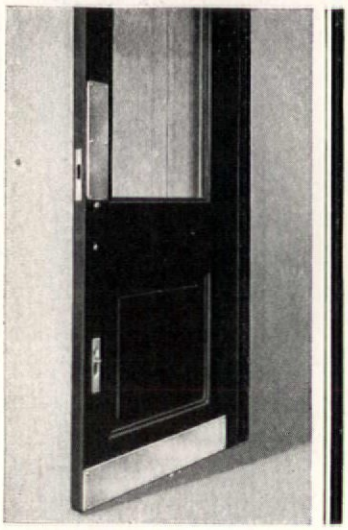
Another example of door hardware that never changes color, and blends beautifully into its wood background.



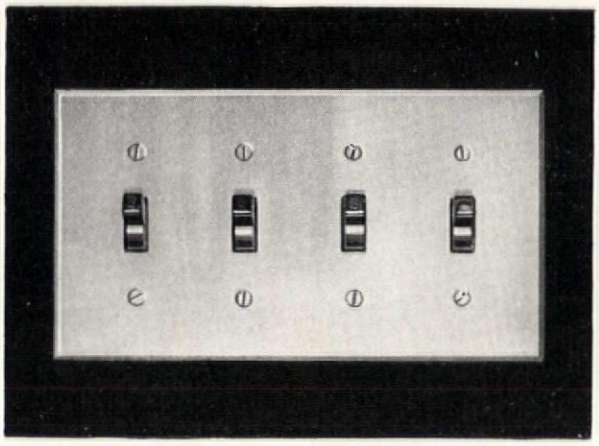
Not only this hinge but the screws are made of Aluminum alloys. They will not rust in their sockets under any condition.

ALCOA

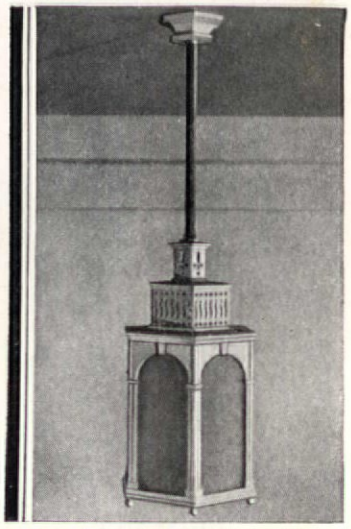
ARCHITECTURAL ALUMINUM



The builders' hardware made of Aluminum alloy are outstanding spots in the offices of the Fairfield foundry. Its soft silvery sheen is both pleasing and everlasting.



Aluminum plates, with Aluminum screw fastenings, combine economy and efficiency.



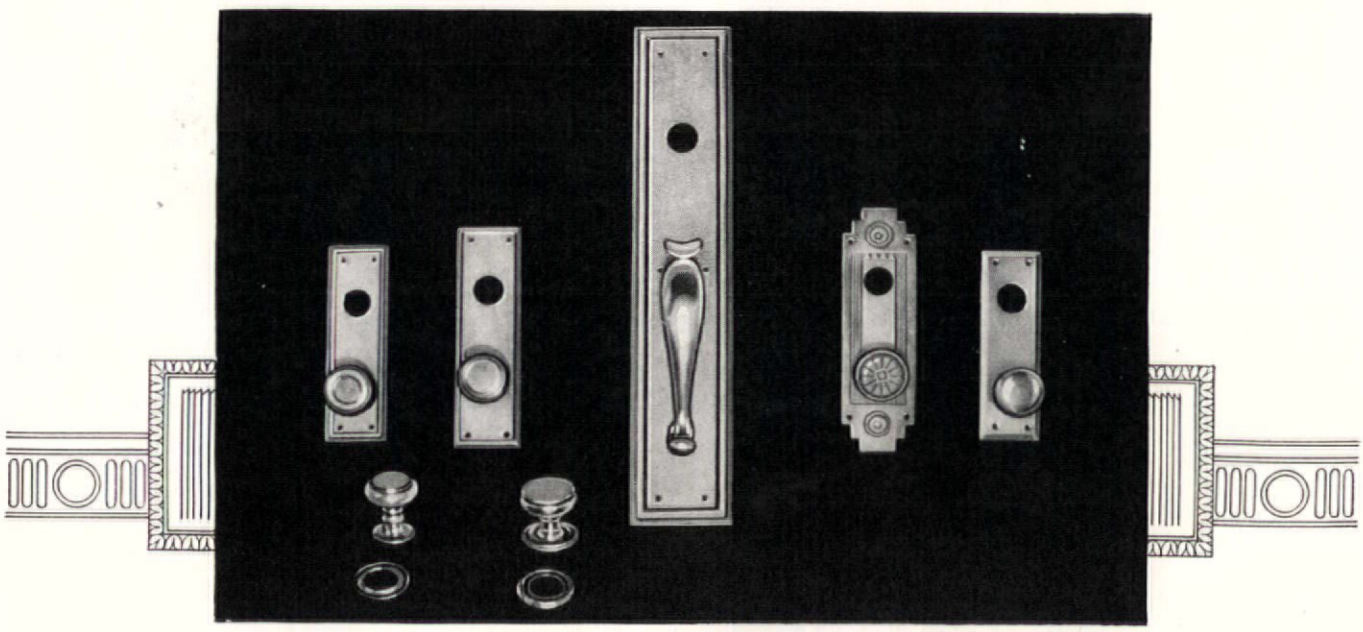
This lighting fixture with its unusual metal coloring adds a note to the office foyer distinctively new.

THE various pieces of architectural Aluminum shown here—and on the two preceding pages—have proven their utter absence of upkeep cost under practical conditions.

Some of these applications are in No. 195 alloy—a strong, durable and light heat treated aluminum alloy which is used where greater strength is desired than can be obtained in No. 43 alloy. Both alloys bring out all the sharpness and refinement of the original design, and retain it, since no painting is required. They are resistant to corrosion under all weather conditions.

We again suggest that you send for the booklet, Architectural Aluminum. It is sure to interest every architect.

ALUMINUM COMPANY OF AMERICA
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ALCOA

The Sargent Company of New Haven, Conn., always in step with the modern trend in the matter of builders' hardware, has designed and is manufacturing a line of that character made from No. 195 Aluminum alloy. Examples of their designs are shown immediately above, and clearly indicate their interest in the subject of Architectural Aluminum.

ALCOA

Mr. C. A. RUEGG'S prize winning "Best new design for a home" utilizes the lovely slender ribbons in the PHILIPPINE LAMINEX grain . . . . .

MR. RUEGG has given us a door that reflects the spirit of modern art. His design has simplicity, great strength, in addition to a charming decorative quality obtained from the lovely ribbon-grain of a new wood.

That wood is the imported hardwood of which the new Philippine Laminex doors are built. A most beautifully grained hardwood, it is the most admirably suited for door construction of any we have ever seen.

Philippine Laminex doors have that straight, close-running grain you associate only with mahogany. Yet these doors, in stock designs, cost only half as much as doors of the African hardwood!

And the Philippine Laminex doors may be stained in the rich dark red that mahogany usually is stained or in lustrous walnut or in any of the intermediate shades!

They offer, too, the non-warping feature typical of all Laminex construction.

You must see this remarkable new series of doors at your first opportunity. Some local dealer has them in stock. For his name, and the Philippine Laminex manual, write your name and address in the coupon below, tear it off and mail to:

Dept. F-119, The Wheeler, Osgood Co., Tacoma, Wash.

PHILIPPINE LAMINEX DOORS

WILL NOT SHRINK, SWELL, OR WARP



"Best new design for a home," the Jury of Awards voted this interesting door submitted in the Philippine Laminex competition by Mr. C. A. Ruegg. How easily, merely by reducing the customary width of the panel, the strength of the modern was achieved. And how befitting this door's simplicity is the straight rising ribbon grain of the wood, the lovely imported hardwood of which Philippine Laminex doors are built.

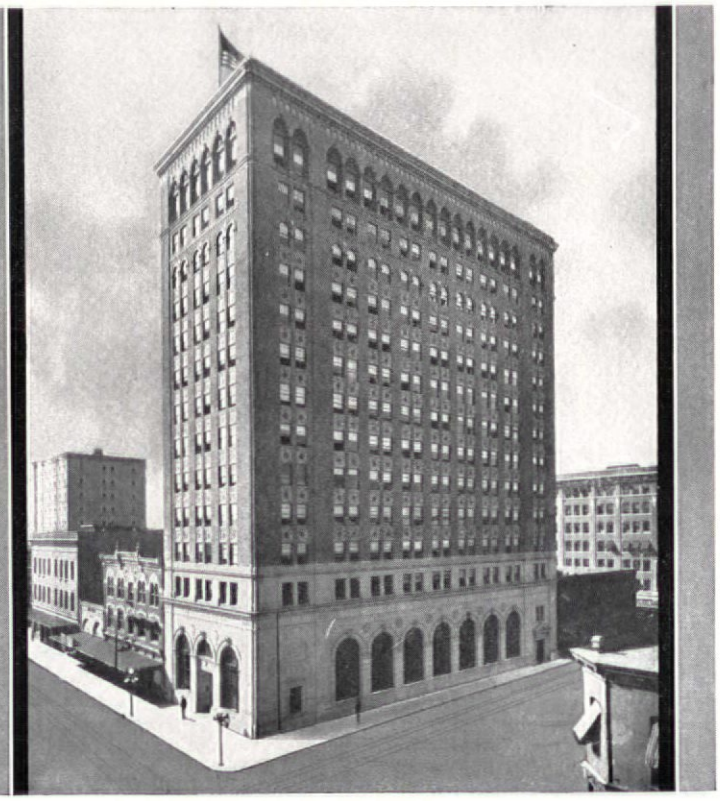


In homes after the Tudor or the Spanish the rich beauty of Philippine Laminex doors is equally welcome. You see here in miniature, Designs 102 (left) and 66 (right), representative of the 23 stock Philippine Laminex doors carried by millwork dealers the country over.



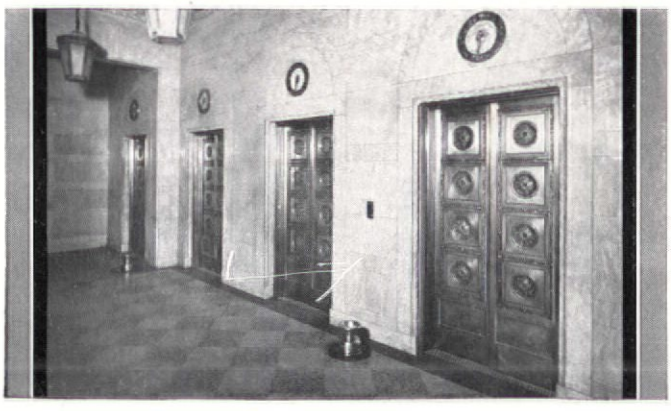
ELEVATOR ENTRANCES

by DAHLSTROM ADD BEAUTY AND PRESTIGE



The enthusiastic comments of discriminating architects who have chosen Elevator Entrances by Dahlstrom, emphasize anew the fact that Dahlstrom is heartily endorsed by those recognizing the ultimate in quality and design.

In the First National Bank Building, Tampa, Fla., the Elevator Entrances are by Dahlstrom. Architects: Holmes & Winslow, New York City. Contractors: Southern Ferro Concrete Co., Atlanta, Ga.



DAHLSTROM METALLIC DOOR COMPANY

401 BUFFALO STREET, JAMESTOWN, N. Y.

NEW YORK CHICAGO LOS ANGELES DETROIT DALLAS

Selected List of Manufacturers' Publications

FOR THE SERVICE OF ARCHITECTS, ENGINEERS, DECORATORS, AND CONTRACTORS

The publications listed in these columns are the most important of those issued by leading manufacturers identified with the building industry. They may be had without charge unless otherwise noted, by applying on your business stationery to *The Architectural Forum*, 521 Fifth Ave., New York, or the manufacturer direct, in which case kindly mention this publication.

ACOUSTICS

R. Guastavino Co., 40 Court St., Boston.
Akoustolith Plaster. Brochure, 6 pp., 8½ x 11 ins. Important data on a valuable material.

Johns-Manville Corporation, New York.
Sound-Absorbing Treatment in Banks and Offices, Booklet, 18 pp., 8½ x 11 ins. Illustrated.
Sound-Absorbing Treatment in Churches and Religious Institutions. Brochure. 22 pp., 8½ x 11 ins. Illustrated.

U. S. Gypsum Co., 205 W. Monroe St., Chicago, Ill.
A Scientific Solution of an Old Architectural Problem. Folder, 6 pp., 8½ x 11 ins. Describes Sabinite Acoustical Plaster.

ASH HOISTS

Gillis & Geoghegan, Inc., 544 West Broadway, New York.
G & G Telescopic Hoist catalog, 8½ x 11, A.I.A. Standard Classification 30i1 contains complete descriptions, method of selecting correct model to fit the building's needs, scaled drawings showing space requirements and specifications.

ASH HOISTS—TELESCOPIC

Gillis & Geoghegan, Inc., 544 West Broadway, New York.
G & G Telescopic Hoist catalog, 8½ x 11, A.I.A. Standard Classification 30i1 contains complete descriptions, method of selecting correct model to fit the building's needs, scaled drawings showing space requirements and specifications.

BRICK

American Face Brick Association, 1751 Peoples Life Building, Chicago, Ill.
Brickwork in Italy. 298 pp., size 7½ x 10½ ins., an attractive and useful volume on the history and use of brick in Italy from ancient to modern times, profusely illustrated with 69 line drawings, 300 half-tones, and 20 colored plates, with a map of modern and XII century Italy. Bound in linen. Price now $3.00, postpaid (formerly $6.00). Half Morocco, $7.00.
Industrial Buildings and Housing. Bound Volume, 112 pp., 8½ x 11 ins. Profusely illustrated. Deals with the planning of factories and employes' housing in detail. Suggestions are given for interior arrangements, including restaurants and rest rooms. Price now $1.00 postpaid (formerly $2.00).

Hanley Company, Bradford, Pa.
General Catalog. 16 pp. 8½ x 11 ins. Illustrated.
Bradford Reds. Folder. 8 pp., 3 x 8 ins. Illustrated.

CEMENT

Carney Company, The, Mankato, Minn.
A Remarkable Combination of Quality and Economy. Booklet, 20 pp., 8½ x 11 ins. Illustrated. Important data on valuable material.

Kosmos Portland Cement Company, Louisville, Ky.
Kosmortar for Enduring Masonry. Folder, 6 pp., 3½ x 6½ ins. Data on strength and working qualities of Kosmortar.
Kosmortar, the Mortar for Cold Weather. Folder, 4 pp., 3⅜ x 6½ ins. Tells why Kosmortar should be used in cold weather.

Louisville Cement Co., 315 Guthrie St., Louisville, Ky.
BRIXMENT for Perfect Mortar. Self-filing handbook, 8½ x 11 ins. 16 pp. Illustrated. Contains complete technical description of BRIXMENT for brick, tile and stone masonry, specifications, data and tests.

Portland Cement Association, Chicago, Ill.
Concrete Masonry Construction. Booklet, 48 pp., 8½ x 11 ins. Illustrated. Deals with various forms of construction.
Town and Country Houses of Concrete Masonry. Booklet, 20 pp., 8½ x 11 ins. Illustrated.
Facts About Concrete Building Tile. Brochure, 16 pp., 8½ x 11 ins. Illustrated.
The Key to Firesafe Homes. Booklet, 20 pp., 8½ x 11 ins. Illustrated.
Design and Control of Concrete Mixers. Brochure, 32 pp., 8½ x 11 ins. Illustrated.
Portland Cement Stucco. Booklet, 64 pp., 8½ x 11 ins. Illustrated.
Concrete in Architecture. Bound Volume, 60 pp., 8½ x 11 ins. Illustrated. An excellent work, giving views of exteriors and interiors.

CHURCH EQUIPMENT

John Van Range Co., Cincinnati.
Practical Planning for Church Food Service. Booklet, 32 pp., 8½ x 11 ins. Illustrated.

CONCRETE BUILDING MATERIALS

Concrete Steel Company, 42 Broadway, New York.
Modern Concrete Reinforcement. Booklet, 32 pp., 8½ x 11 ins. Illustrated.

Kosmos Portland Cement Company, Louisville, Ky.
High Early Strength Concrete, Using Standard Kosmos Portland Cement. Folder, 1 page, 8½ x 11 ins. Complete data on securing high strength concrete in short time.

CONCRETE COLORINGS

The Master Builders Co., 7016 Euclid Ave., Cleveland.
Color Mix, Colored Hardened Concrete Floors (integral). Brochure, 16 pp., 8½ x 11 ins. Illustrated. Data on coloring for floors.
Dychrome. Concrete Surface Hardener in Colors. Folder, 4 pp., 8 x 11 ins. Illustrated. Data on a new treatment.

CONSTRUCTION, FIREPROOF

Master Builders Co., Cleveland, Ohio.
Color Mix. Booklet, 18 pp., 8½ x 11 ins. Illustrated. Valuable data on concrete hardener, waterproofer and dustproofer in permanent colors.

National Fire Proofing Co., 250 Federal St., Pittsburgh, Pa.
Standard Fire Proofing Bulletin 171. 8½ x 11 ins., 32 pp. Illustrated. A treatise on fireproof floor construction.

North Western Expanded Metal Co., 1234 Old Colony Building, Chicago, Ill.
North Western Expanded Metal Products. Booklet, 8½ x 10¾ ins. 16 pp. Fully illustrated, and describes different products of this company, such as Kno-burn metal lath, 20th Century Corrugated, Plaster-Sava and Longspan lath channels, etc.
A. I. A. Sample Book. Bound volume, 8½ x 11 ins., contains actual samples of several materials and complete data regarding their use.

CONSTRUCTION, STONE AND TERRA COTTA

Cowing Pressure Relieving Joint Company, 100 North Wells St., Chicago, Ill.
Pressure Relieving Joint for Buildings of Stone, Terra Cotta or Marble. Booklet, 16 pp., 8½ x 11 ins. Illustrated. Deals with preventing cracks, spalls and breaks.

DAMPPROOFING

The Master Builders Co., 7016 Euclid Ave., Cleveland.
Waterproofing and Dampproofing Specification Manual. Booklet, 18 pp., 8½ x 11 ins. Deals with methods and materials used.
Waterproofing and Dampproofing. File. 36 pp. Complete descriptions and detailed specifications for materials used in building and concrete.

Minwax Company, Inc., 11 West 42nd St., New York.
Complete Index of all Minwax Products. Folder, 6 pp., 8½ x 11 ins. Illustrated. Complete description and detailed specifications.

Sonneborn Sons, Inc., L., 116 Fifth Ave., New York.
Specification Sheet, 8½ x 11 ins. Descriptions and specifications of compounds for dampproofing interior and exterior surfaces.

Toch Brothers, New York, Chicago, Los Angeles.
Handbook of R. I. W. Protective Products. Booklet, 40 pp., 4½ x 7½ ins.

DOORS AND TRIM, METAL

The American Brass Company, Waterbury, Conn.
Anaconda Architectural Bronze Extruded Shapes. Brochure, 180 pp., 8½ x 11 ins., illustrating and describing more than 2,000 standard bronze shapes of cornices, jamb casings, mouldings, etc.

The Kawneer Company, Niles, Michigan.
Detail sheet, 8½ x 11 ins., with A.I.A. File No. featuring Heavy Welded Bronze Doors.

Richards-Wilcox Mfg. Co., Aurora, Ill.
Fire-Doors and Hardware. Booklet, 8½ x 11 ins., 64 pp. Illustrated. Describes entire line of tin-clad and corrugated fire doors, complete with automatic closers, track hangers and all the latest equipment—all approved and labeled by Underwriters' Laboratories.

Truscon Steel Company, Youngstown, Ohio.
Copper Alloy Steel Doors. Catalog 110. Booklet, 48 pp., 8½ x 11 ins. Illustrated.

DOORS, SOUNDPROOF

Irving Hamlin, Evanston, Ill.
The Evanston Soundproof Door. Folder, 8 pp., 8½ x 11 ins. Illustrated. Deals with a valuable type of door.

REQUEST FOR CATALOGS

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SELECTED LIST OF MANUFACTURERS' PUBLICATIONS — *Continued from page 79*

DRAINAGE FITTINGS

Josam Mfg. Co., Michigan City, Ind.
Josam Products. Booklet, 73 pp., 8½ x 11 ins. Illustrated. A valuable line of accessories.
Josam-Marsh Grease, Plaster, Sediment and Hair Interceptors. Brochure. 7 pp., 8½ x 11 ins. Illustrated.
Josam New Saw Tooth-Roof Drain. Folder, 4 pp., 8½ x 11 ins. Illustrated.

DUMBWAITERS

Sedgwick Machine Works, 151 West 15th St., New York, N. Y.
Catalog and Service Sheets. Standard specifications, plans and prices for various types, etc. 4¼ x 8¼ ins., 60 pp. Illustrated.
Catalog and pamphlets, 8½ x 11 ins. Illustrated. Valuable data on dumbwaiters.

ELECTRICAL EQUIPMENT

Baldor Electric Co., 4358 Duncan Avenue, St. Louis, Mo.
Baldor Electric Motors. Booklet, 14 pp., 8 x 10½ ins. Illustrated. Data regarding motors.

Bryant Electric Company, Bridgeport, Conn.
HooKeX Plug and Receptacle. Folder, 6 pp., 3½ x 6¼ ins. Illustrated.
KeNeX Plug and Receptacle. Folder, 6 pp., 3½ x 6¼ ins. Illustrated.
Three-wire Polarized Caps and Receptacles. Leaflet, 8½ x 10 ins. Illustrated.
Three-wire Polarized Caps and Receptacles for Heavy Duty. Leaflet, 8½ x 10 ins. Illustrated.

General Electric Co., Merchandise Dept., Bridgeport, Conn.
Wiring System Specification Data for Apartment Houses and Apartment Hotels. Booklet, 20 pp., 8 x 10 ins. Illustrated.
Electrical Specification Data for Architects. Brochure, 36 pp., 8 x 10½ ins. Illustrated. Data regarding G. E. wiring materials and their use.
The House of a Hundred Comforts. Booklet, 40 pp., 8 x 10½ ins. Illustrated. Dwells on importance of adequate wiring.

Harvey Hubbell, Inc., Bridgeport, Conn.
Electrical Specialties. Catalog No. 19. 52 pp., 8½ x 10 ins. Illustrated.

Pick-Barth Company, Inc., Albert, 1200 West 35th St., Chicago, and Cooper Square, New York.
School Cafeteria. Booklet, 6 x 9 ins. Illustrated. The design and equipment of school cafeterias with photographs of installation and plans for standardized outfits.

Prometheus Electric Corporation, 360 West 13th St., New York.
Electric Heating Specialties. Booklet, 24 pages. 8½ x 11 ins. Illustrated. Specialties for heating, cooking, hospitals, organ lofts, etc.

Westinghouse Electric & Mfg. Co., East Pittsburgh, Pa.
Electric Power for Buildings. Brochure, 14 pp., 8½ x 11 ins. Illustrated. A publication important to architects and engineers.
Variable-Voltage Central Systems as Applied to Electric Elevators. Booklet, 12 pp., 8½ x 11 ins. Illustrated. Deals with an important detail of elevator mechanism.
Modern Electrical Equipment for Buildings. Booklet, 8½ x 11 ins. Illustrated. Lists many useful appliances.
Electrical Equipment for Heating and Ventilating Systems. Booklet, 24 pp., 8½ x 11 ins. Illustrated. This is "Motor Application Circular 7379."
Westinghouse Panelboards. Catalog 224. Booklet, 64 pp., 8½ x 11 ins. Illustrated.
Beauty; Power; Silence; Westinghouse Fans. (Dealer Catalog 45.) Brochure, 16 pp., 8½ x 11 ins. Illustrated. Valuable information on fans and their uses.
Electric Range Book for Architects (A. I. A. Standard Classification 31 G-4). Booklet, 24 pp., 8½ x 11 ins. Illustrated. Cooking apparatus for buildings of various types.
Westinghouse Commercial Cooking Equipment (Catalog 280). Booklet, 32 pp., 8½ x 11 ins. Illustrated. Equipment for cooking on a large scale.
Electric Appliances (Catalog 44-A). 32 pp., 8½ x 11 ins. Deals with accessories for home use.

ELEVATORS

Otis Elevator Company, 260 Eleventh Ave., New York, N. Y.
Otis Push Button Controlled Elevators. Descriptive leaflets, 8½ x 11 ins. Illustrated. Full details of machines, motors and controllers for these types.
Otis Geared and Gearless Traction. Elevators of All Types. Descriptive leaflets, 8½ x 11 ins. Illustrated. Full details of machines, motors and controllers for these types.
Escalators. Booklet, 8½ x 11 ins., 22 pp. Illustrated. Describes use of escalators in subways, department stores, theaters and industrial buildings. Also includes elevators and dock elevators.

Richards-Wilcox Mfg. Co., Aurora, Ill.
Elevators. Booklet, 8½ x 11 ins., 24 pp. Illustrated. Describes complete line of "Ideal" elevator door hardware and checking devices, also automatic safety devices.

ELEVATORS—Continued

Sedgwick Machine Works, 151 West 15th St., New York, N. Y.
Catalog and descriptive pamphlets, 4¼ x 8¼ ins., 70 pp. Illustrated. Descriptive pamphlets on hand power freight elevators, sidewalk elevators, automobile elevators, etc.
Catalog and pamphlets, 8½ x 11 ins. Illustrated. Important data on different types of elevators.

ESCALATORS

Otis Elevator Company, 260 Eleventh Ave., New York, N. Y.
Escalators. Booklet, 32 pp., 8½ x 11 ins. Illustrated. A valuable work on an important item of equipment.

FIREPLACE CONSTRUCTION

H. W. Covert Company, 243 East 44th Street, New York, N. Y.
Covert Fireplace Construction. Booklet, 12 pp., 8½ x 11 ins. Illustrated. Valuable data on an important topic.

FIREPROOFING

Concrete Engineering Co., Omaha, Neb.
Handbook of Fireproof Construction. Booklet, 54 pp., 8½ x 11 ins. Valuable work on methods of fireproofing.

Concrete Steel Company, 42 Broadway, New York.
Economical Fireproof Floors for Suburban Buildings. Folder. 4 pp., 8½ x 11 ins. Illustrated.

North Western Expanded Metal Co., 407 South Dearborn Street, Chicago, Ill.
A. I. A. Sample Book. Bound volume, 8½ x 11 ins. Contains actual samples of several materials and complete data regarding their use.

FLOOR HARDENERS (CHEMICAL)

Master Builders Co., Cleveland, Ohio.
Concrete Floor Treatment. File, 50 pp. Data on securing hardened dustproof concrete.
Concrete Floor Treatments—Specification Manual. Booklet, 24 pp., 8½ x 11 ins. Illustrated. Valuable work on an important subject.

Minwax Company, 11 West 42nd Street, New York, N. Y.
Concrete Floor Treatments. Folder, 4 pp., 8½ x 11 ins. Illustrated.

Sonneborn Sons, Inc., L., 116 Fifth Ave., New York, N. Y.
Lapidolith, the liquid chemical hardener. Complete sets of specifications for every building type in which concrete floors are used, with descriptions and results of tests.

Toch Brothers, New York, Chicago, Los Angeles.
Handbook of R. I. W. Protective Products. Booklet, 40 pp., 4½ x 7½ ins.

FLOORS—STRUCTURAL

Concrete Steel Company, 42 Broadway, New York.
Structural Economies for Concrete Floors and Roofs. Brochure, 32 pp., 8½ x 11 ins. Illustrated.

Truscon Steel Co., Youngstown, Ohio.
Truscon Floretyle Construction. Booklet, 8½ x 11 ins., 16 pp. Illustrations of actual jobs under construction. Lists of properties and information on proper construction. Proper method of handling and tables of safe loads.

Structural Gypsum Corporation, Linden, N. J.
Gypsteel Pre-cast Fireproof Floors. Booklet, 36 pp., 8½ x 11 ins. Illustrated. Data on flooring.

FLOORING

Armstrong Cork Co. (Linoleum Division), Lancaster, Pa.
Armstrong's Linoleum Floors. Catalog, 8½ x 11 ins., 44 pp. Color plates. A technical treatise on linoleum, including table of gauges and weights and specifications for installing linoleum floors. Newly revised, February, 1929.
Armstrong's Linoleum Pattern Book, 1929. Catalog, 9 x 12 ins., 44 pp. Color plates. Reproduction in color of all patterns of linoleum and cork carpet in the Armstrong line.
Linoleum Layer's Handbook. 5 x 7 ins., 36 pp. Instructions for linoleum layers and others interested in learning most satisfactory methods of laying and taking care of linoleum.
Enduring Floors of Good Taste. Booklet, 6 x 9 ins., 48 pp. Illustrated in color. Explains use of linoleum for offices, stores, etc., with reproductions in color of suitable patterns, also specifications and instructions for laying.

Blabon Company, Geo. W., Nicetown, Philadelphia, Pa.
Planning the Color Schemes for Your Home. Brochure, illustrated in color; 36 pp., 7½ x 10½ ins. Gives excellent suggestions for use of color in flooring for houses and apartments.
Handy Quality Sample Folder of Linoleums. Gives actual samples of "Battleship Linoleum," cork carpet, "Feltex," etc.
Blabon's Linoleum. Booklet, illustrated in color; 128 pp., 3½ x 8½ ins. Gives patterns of a large number of linoleums.
Blabon's Plain Linoleum and Cork Carpet. Gives quality samples, 3 x 6 ins. of various types of floor coverings.

Carter Bloxonend Flooring Co., Keith & Perry Bldg., Kansas City, Missouri.

REQUEST FOR CATALOGS

To get any of the catalogs described in this section, put down the title of the catalog desired, the name of the manufacturer and send coupon to THE ARCHITECTURAL FORUM, 521 Fifth Avenue, New York.

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IF you could examine the masonry of the 100 North La Salle Building, you would find joints that would do credit to a job done under most favorable conditions — yet the bulk of the masonry for this project was done during freezing weather. The reason that Carney Cement is so well suited to cold weather work is obvious. The mix is simple and fast — Carney Cement, sand and water are the only materials necessary to produce a smooth-working, plastic mortar. Consequently, the masonry is speeded to the point of eliminating the danger of the mortar freezing before entering the wall. That is why architects who use Carney Cement are so enthusiastic—under any circumstances, they are confident of perfectly bonded walls.

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SELECTED LIST OF MANUFACTURERS' PUBLICATIONS — *Continued from page 80*

FLOORING—Continued

Bloxonend Flooring. Booklet, 3¼ x 6¼. ins., 20 pp. Illustrated. Describes uses and adaptability of Bloxonend Flooring to concrete, wood or steel construction, and advantages over loose wood blocks.

File Folder. 9⅜ x 11¾ ins. For use in connection with A. I. A. system of filing. Contains detailed information on Bloxonend Flooring in condensed loose-leaf form for specification writer and drafting room. Literature embodied in folder includes standard Specification Sheet covering the use of Bloxonend in general industrial service and Supplementary Specification Sheet No. 1, which gives detailed description and explanation of an approved method for installing Bloxonend in gymnasiums, armories, drill rooms and similar locations where maximum resiliency is required.

Cellized Oak Flooring, Memphis, Tenn.
Style in Oak Floors. Booklet, 16 pp., 6 x 9 ins. Illustrated.

Congoleum-Nairn, Inc., 195 Belgrove Drive, Kearny, N. J.
Facts you should know about Resilient Floors. A series of booklets on floors for (1) schools, (2) hospitals, (3) offices, (4) stores, (5) libraries, (6) churches, (7) Clubs and Lodges, (8) apartments and hotels. Illustrated.
Specifications for Resilient Floors. Booklet, 12 pp. A reprint from Sweet's.
A New Kind of Floor Service. Brochure, 8 pp. Data on Bonded Floors.
Sealex Battleship Linoleum. Booklet, 12 pp. Illustrated. Shows typical installations.
Sealex Treadlite Tiles. Two booklets, 8 and 16 pp. Illustrated.
Colonial Planks. Brochure, 8 pp. Illustrated.

C. Pardee Works, 9 East 45th St., New York, N. Y., and 1600 Walnut St., Philadelphia, Pa.
Pardee Tiles. Bound Volume, 48 pp., 8½ x 11 ins. Illustrated.

Structural Gypsum Corporation, Linden, N. J.
Gypsteel Pre-cast Fireproof Floors. Booklet, 36 pp., 8½ x 11 ins. Illustrated. Data on floorings.

U. S. Gypsum Co., Chicago.
Pyrobar Floor Tile. Folder, 8½ x 11 ins. Illustrated. Data on building floors of hollow tile and tables on floor loading.

U. S. Rubber Co., 1790 Broadway, New York, N. Y.
Period Adaptations for Modern Floors. Brochure, 8 x 11 ins., 60 pp. Richly Illustrated. A valuable work on the use of rubber tile for flooring in interiors of different historic styles.

FURNITURE

American Seating Co., 14 E. Jackson Blvd., Chicago, Ill.
Art Ecclesiastical Booklet, 6 x 9 ins., 48 pp. Illustrations of church fitments in carved wood.
Theatre Chairs. Booklet, 6 x 9 ins., 48 pp. Illustrations of theatre chairs.

Kittinger Co., 1893 Elmwood Ave., Buffalo, N. Y.
Kittinger Club & Hotel Furniture. Booklet, 20 pp., 6¼ x 9½ ins. Illustrated. Deals with fine line of furniture for hotels, clubs, institutions, schools, etc.
Kittinger Club and Hotel Furniture. Booklet, 20 pp., 6 x 9 ins. Illustrated. Data on furniture for hotels and clubs.
A Catalog of Kittinger Furniture. Booklet, 78 pp., 11 x 14 ins. Illustrated. General Catalog.

McKinney Mfg. Co., Pittsburgh, Pa.
Forethought Furniture Plans. Sheets, 6¼ x 9 ins., drawn to ¼-inch scale. An ingenious device for determining furniture arrangement.

GLASS CONSTRUCTION

Adamson Flat Glass Co., Clarksburg, W. Va.
Quality and Dependability. Folder, 2 pp., 8½ x 11 ins. Illustrated. Data in the company's product.

Libbey-Owens Sheet Glass Co., Toledo, Ohio.
Flat Glass. Brochure, 12 pp., 5⅛ x 7⅝ ins. Illustrated. History of manufacture of flat, clear, sheet glass.

GREENHOUSES

King Construction Company, North Tonawanda, N. Y.
King Greenhouses for Home or Estate. Portfolio of half-tone prints, varnishes, 8¼ x 10½ ins.

William H. Lutton Company, 267 Kearney Ave., Jersey City, N. J.
Greenhouses of Quality. Booklet, 50 pp., 8½ x 11 ins. Illustrated. Conservatories making use of Lutton Patented Galvanized Steel V-Bar.

HARDWARE

P. & F. Corbin, New Britain, Conn.
Early English and Colonial Hardware. Brochure, 8½ x 11 ins. An important illustrated work on this type of hardware.
Locks and Builders' Hardware. Bound Volume, 486 pp., 8½ x 11 ins. An exhaustive, splendidly prepared volume.
Colonial and Early English Hardware. Booklet, 48 pp., 8½ x 11 ins. Illustrated. Data on hardware for houses in these styles.

Cutler Mail Chute Company, Rochester, N. Y.
Cutler Mail Chute Model F. Booklet, 4 x 9¼ ins., 8 pp. Illustrated.

HARDWARE—Continued

Richards-Wilcox Mfg. Co., Aurora, Ill.
Distinctive Garage Door Hardware. Booklet, 8½ x 11 ins., 66 pp. Illustrated. Complete information accompanied by data and illustrations on different kinds of garage door hardware.
Distinctive Elevator Door Hardware. Booklet, 90 pp., 10½ x 16 ins. Illustrated.

Russell & Erwin Mfg. Co., New Britain, Conn.
Hardware for the Home. Booklet, 24 pp., 3½ x 6 ins. Deals with residence hardware.
Door Closer Booklet. Brochure, 16 pp., 3½ x 6 ins. Data on a valuable detail.
Garage Hardware. Booklet, 12 pp., 3½ x 6 ins. Hardware intended for garage use.
Famous Homes of New England. Series of folders on old homes and hardware in style of each.

HEATING EQUIPMENT

American Blower Co., 6004 Russell St., Detroit, Mich.
Heating and Ventilating Utilities. A binder containing a large number of valuable publications, each 8½ x 11 ins., on these important subjects.

American Radiator Company, The, 40 West 40th St., N. Y. C.
Ideal Boilers for Oil Burning. Catalog 5½ x 8½ ins., 36 pp. Illustrated in 4 colors. Describing a line of Heating Boilers especially adapted to use with Oil Burners.
Corto—The Radiator Classic. Brochure, 5½ x 8½ ins., 16 pp. Illustrated. A brochure on a space-saving radiator of beauty and high efficiency.
Ideal Arcola Radiator Warmth. Brochure, 6¼ x 9½ ins. Illustrated. Describes a central all-on-one-floor heating plant with radiators for small residences, stores, and offices.
How Shall I Heat My Home? Brochure, 16 pp., 5¾ x 8½ ins. Illustrated. Full data on heating and hot water supply.
New American Radiator Products. Booklet, 44 pp., 5 x 7¾ ins. Illustrated. Complete line of heating products.
A New Heating Problem. Brilliantly Solved. Broadside, 4 pp., 10¾ x 15 ins. Illustrated. Data on the IN-AIRID invisible air valve.
In-Airid, the Invisible Air Valve. Folder, 8 pp., 3½ x 6 ins. Illustrated. Data on a valuable detail of heating.
The 999 ARCO Packless Radiator Valve. Folder, 8 pp., 3½ x 6 ins. Illustrated.

James B. Clow & Sons, 534 S. Franklin St., Chicago, Ill.
Clow Gasteam Vented Heating System. Brochure, 24 pp., 8½ x 11 ins. Illustrated. Deals with a valuable form of heating equipment for using gas.

C. A. Dunham Company, 450 East Ohio St., Chicago, Ill.
Dunham Radiator Trap. Bulletin 101, 8 x 11 ins., 12 pp. Illustrated. Explains working of this detail of heating apparatus.
Dunham Packless Radiator Valves. Bulletin 104, 8 x 11 ins., 8 pp. Illustrated. A valuable brochure on valves.
Dunham Return Heating System. Bulletin 109, 8 x 11 ins. Illustrated. Covers the use of heating apparatus of this kind.
Dunham Vacuum Heating System. Bulletin 110, 8 x 11 ins., 12 pp. Illustrated.
The Dunham Differential Vacuum Heating System. Bulletin 114. Brochure, 12 pp., 8 x 11 ins. Illustrated. Deals with heating for small buildings.
The Dunham Differential Vacuum Heating System. Bulletin 115. Brochure, 12 pp., 8 x 11 ins. Illustrated. Deals with heating for large buildings.

The Fulton Sylphon Company, Knoxville, Tenn.
Sylphon Temperature Regulators. Illustrated brochures, 8½ x 11 ins., dealing with general architectural and industrial applications; also specifically with applications of special instruments.
Sylphon Heating Specialties. Catalog No. 200, 192 pp., 3½ x 6¼ ins. Important data on heating.

Hoffman Specialty Company, Inc., 25 West 45th St., New York, N. Y.
Heat Controlled With the Touch of a Finger. Booklet, 46 pp., 5¾ x 8¾ ins. Illustrated.
How to Lock Out Air, the Heat Thief. Brochure, 48 pp., 5 x 7¼ ins. Illustrated.

Janette Manufacturing Company, 556 West Monroe Street, Chicago.
More Heat from Any Hot Water System on Less Fuel. Folder. 4 pp., 8½ x 11 ins. Illustrated. Deals with use of the "Hydrolator."

S. T. Johnson Co., Oakland, Calif.
Johnson Oil Burners. Booklet, 9 pp., 8½ x 11 ins. Illustrated.
Bulletin No. 4A. Brochure, 8 pp., 8½ x 11 ins. Illustrated. Data on different kinds of oil-burning apparatus.
Bulletin No. 31. Brochure, 8 pp., 8½ x 11 ins. Illustrated. Deals with Johnson Rotary Burner with Full Automatic Control.

Kewanee Boiler Corporation, Kewanee, Ill.
Kewanee on the Job. Catalog, 8½ x 11 ins., 80 pp. Illustrated. Showing installations of Kewanee boilers, water heaters, radiators. etc.
Catalog No. 78, 6 x 9 ins. Illustrated. Describes Kewanee Firebox Boilers with specifications and setting plans.
Catalog No. 79, 6 x 9 ins. Illustrated. Describes Kewanee power boilers and smokeless tubular boilers with specifications.

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MODERN business structures, office buildings in particular, combine beauty with utility. This desirable end has been fully achieved in the recently-erected Willoughby Tower, Chicago. In like manner, "38" Preservative Varnish combines beauty with utility. This sturdy varnish — long and favorably known to architects, owners and painters — satisfies every need for an enduring interior varnish.

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Complete information on nitrocellulose lacquer and other architectural finishes will be sent you on request. Telephone or write the nearest Pratt & Lambert Architectural Service Department, as shown here.

PRATT & LAMBERT-Inc., 122 Tonawanda St., Buffalo, N. Y. (Phone Delaware 6000); 3301 38th Ave., Long Island City, N. Y. (Phone Stillwell 5100); 320 West 26th St., Chicago, Ill., (Phone Victory 1800); In Canada: 34 Courtwright St., Bridgeburg, Ontario.

"Save the surface and you save all" — Pratt & Lambert Varnish

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SELECTED LIST OF MANUFACTURERS' PUBLICATIONS — *Continued from page 82*

HEATING EQUIPMENT—Continued

May Oil Burner Corp., Baltimore, Md.
Adventures in Comfort. Booklet, 24 pp., 6 x 9 ins. Illustrated. Non-technical data on oil as fuel.
Taking the Quest Out of the Question. Brochure, 16 pp., 6 x 9 ins. Illustrated. For home owners interested in oil as fuel.

McQuay Radiator Corporation, 35 East Wacker Drive, Chicago, Ill.
McQuay Visible Type Cabinet Heater. Booklet, 4 pp., 8½ x 11 ins. Illustrated. Cabinets and radiators adaptable to decorative schemes.
McQuay Concealed Radiators. Brochure, 4 pp., 8½ x 11 ins. Illustrated.
McQuay Unit Heater. Booklet, 8 pp., 8½ x 11 ins. Illustrated. Gives specifications and radiator capacities.

Modine Mfg. Co., Racine, Wisc.
Modine Copper Radiation. Booklet, 28 pp. 8½ x 11 ins. Illustrated. Deals with industrial, commercial and domestic heating.
A Few Short Years. Folder. 4 pp. 8½ x 11 ins. Illustrated. Heating for garages.
Dairy Plant Heating. Folder. 4 pp., 8½ x 11 ins. Illustrated.

Nash Engineering Company, South Norwalk, Conn.
Bulletin 85. Booklet. 12 pp. 10¾ x 7½ ins. Illustrated in color. Describes construction and operation of the Jennings Return Line Vacuum Heating Pump.
Bulletin 87. Brochure. 8 pp. 10¾ x 7½ ins. Illustrated in color. Deals with Sizes T and U Jennings Vacuum Heating Pump for 2500 and 5000 square feet equivalent direct radiation.
Bulletin 63. Booklet. 4 pp. 10¾ x 7½ ins. Illustrated. Describes in detail the Unit Type Motor Driven Jennings Condensation Pump.
Bulletin 52. Brochure. 6 pp. 10¾ x 7½ ins. Illustrated in color. Devoted to Jennings Standard Centrifugal Pumps for house service, boosting city water pressure to supply top stories, for circulating warm water, etc.

National Radiator Corporation, Johnstown, Pa.
Aero Radiators; Beauty and Worth. Catalog 34. Booklet, 6 x 9 ins., 20 pp., describing and illustrating radiators and accessories.
Six Great Companies Unite to Form a Great Corporation. Booklet, 28 pp., 8½ x 10½ ins. Illustrated. Valuable data on heating.

Prometheus Electric Corporation, 360 West 13th St., New York.
Electric Heating Specialties. Booklet, 24 pages. 8½ x 11 ins. Illustrated. Specialties for heating, cooking, hospitals, organ lofts, etc.

Rome Brass Radiator Corporation, 1 East 42nd Street, New York.
Proof of the Pudding. Booklet, 24 pp., 8½ x 10½ ins. Illustrated. Describes Robras, 20-20 concealed-within-the-walls, lightweight, all-brass radiators.
Within the Walls. Brochure, 16 pp., 4 x 9 ins. Illustrated. Gives facts regarding modern, out-of-sight, lightweight, Robras 20-20 radiators.
Engineering Data. Booklet, 16 pp., 8½ x 10½ ins. Illustrated. Full data and tables to facilitate selection and installation of Robras 20-20 concealed radiators for steam, water and vapor heating systems.
Small Bathrooms Made More Spacious, Brochure, 4 pp. Illustrated. Gives descriptions, sizes and prices of Robras lightweight cabinet radiators to be installed under wash basins.

Sarco Company, Inc., 183 Madison Ave., New York City, N. Y.
Steam Heating Specialties. Booklet, 6 pp., 6 x 9 ins. Illustrated. Data on Sarco Packless Supply Valves and Radiator Traps for vacuum and vapor heating systems.
Equipment Steam Traps and Temperature Regulations. Booklet, 6 pp., 6 x 9 ins. Illustrated. Deals with Sarco Steam Traps for hospital, laundry and kitchen fixtures and the Sarco Self-contained Temperature Regulation for hot water service tanks.

Spencer Heater Co., Williamsport, Pa.
Catalog. Booklet, 20 pp., 6⅛ x 9 ins. Illustrated. Complete line of magazine feed cast iron sectional and steel tubular heaters.
The Fire that Burns Uphill. Brochure, 24 pp., 6⅛ x 9¼ ins. Illustrated in color. Magazine feed heaters for steam, vapor and hot water heating.

B. F. Sturtevant Company, Hyde Park, Boston, Mass.
Tempervane Heating Units. Catalog 363. Booklet, 44 pp., 8½ x 11 ins. Illustrated. Data on "Heating Every Corner with Maximum Economy."

Trane Co., The, La Crosse, Wis.
Bulletin 14, 16 pp., 8½ x 10⅝ ins. Covers the complete line of Trane Heating Specialties, including Trane Bellows Traps, and Trane Bellows Packless Valves.
Bulletin 20. 24 pp., 8½ x 10⅝ ins. Explains in detail the operation and construction of Trane Condensation. Vacuum, Booster, Circulating, and similar pumps.
How to Cut Heating Costs. Booklet, 18 pp., 8½ x 11 ins. Illustrated.

HOISTS, TELESCOPIC

Gillis & Geoghegan, Inc. 535 West Broadway, New York.
G & G Telescopic Hoist. Booklet. 24 pp. 8½ x 11 ins. Illustrated complete data on hoists.
Ash Removal. Folder. 8½ x 11 ins. Illustrated. Hoists for removing ashes from basements.

HOSPITAL EQUIPMENT

The Frink Co., Inc., 369 Lexington Ave., New York City.
Catalog 426. 7 x 10 ins., 16 pp. A booklet illustrated with photographs and drawings, showing the types of light for use in hospitals, as operating table reflectors, linolite and multilite concentrators, ward reflectors, bed lights and microscopic reflectors, giving sizes and dimensions, explaining their particular fitness for special uses.

Holophane Company, 342 Madison Avenue, New York.
Lighting Specific for Hospitals. Booklet, 30 pp., 8½ x 11 ins. Illustrated.

The International Nickel Company, 67 Wall St., New York, N. Y.
Hospital Applications of Monel Metal. Booklet, 8½ x 11½ ins., 16 pp. Illustrated. Gives types of equipment in which Monel Metal is used, reasons for its adoption, with sources of such equipment.

Pick-Barth Company, Inc., Albert, 1200 West 35th St., Chicago, and Cooper Square, New York.
Some Thoughts About Hospital Food Service Equipment. Booklet. 22 pp., 7½ x 9¼ ins. Valuable data on an important subject.

Prometheus Electric Corporation, 360 West 13th St., New York.
Electric Heating Specialties. Booklet, 24 pages. 8½ x 11 ins. Illustrated. Specialties for heating, cooking, hospitals, organ lofts, etc.

HOTEL EQUIPMENT

Pick-Barth Company, Inc., Albert, 1200 West 35th St., Chicago, and Cooper Square, New York.
Some Thoughts on Furnishing a Hotel. Booklet, 7½ x 9 ins. Data on complete outfitting of hotels.

INCINERATORS

Home Incinerator Co., Milwaukee, Wis.
The Decent Way. Burn it with Gas. Brochure, 30 pp., 5¼ x 7¼ ins., inside. Illustrated. Incinerator sanitation equipment for residence use.
A. I. A. File, 12 pp., 8¾ x 10¾ ins., inside. Suggestions for architect on incineration, showing installation and equipment.
Specialized Home Comforts Service Plan Book. 40 pp., 8½ x 11 ins., inside. Illustrated. A complete outline of the many advantages of incineration.
Blue Star Standards in Home Building. 16 pp., 5½ x 8½ ins., inside. Illustrated. Explaining fully the Blue Star principles, covering heat, incineration, refrigeration, etc.

Josam Mfg. Co., Michigan City, Ind.
Josam-Graver Incinerators. Folder, 4 pp., 8½ x 11 ins. Illustrated.

Kerner Incinerator Company, 715 E. Water St., Milwaukee, Wis.
Incinerators (Chimney-fed). Catalog No. 15 (Architect and Builders' Edition). Size 8½ x 11 ins., 16 pp. Illustrated. Describes principles and design of Kernerator Chimney-fed Incinerators for residences, apartments, hospitals, schools, apartment hotels, clubs and other buildings. Shows all standard models and gives general information and working data.
Sanitary Elimination of Household Waste. Booklet, 4 x 9 ins. 16 pp. Illustrated. Gives complete information on the Kernerator for residences.
Garbage and Waste Disposal for Apartment Buildings. Folder, 8½ x 11 ins., 16 pp. Illustrated. Describes principle and design of Kernerator Chimney-fed Incinerator for apartments and gives list of buildings where it has been installed.
Sanitary Disposal of Waste in Hospitals. Booklet, 4 x 9 ins., 12 pp. Illustrated. Shows how this necessary part of hospital service is taken care of with the Kernerator. Gives list of hospitals where installed.
The Kernerator (Chimney-fed) Booklet. Catalog No. 17, 20 pp., 8½ x 11 ins. Illustrated. Data on a valuable detail of equipment.

INSULATION

Armstrong Cork & Insulation Co., Pittsburgh, Pa.
The Insulation of Roofs with Armstrong's Corkboard. Booklet. Illustrated. 7½ x 10½ ins., 32 pp. Discusses means of insulating roofs of manufacturing or commercial structures.
Insulation of Roofs to Prevent Condensation. Illustrated booklet, 7½ x 10½ ins., 36 pp. Gives full data on valuable line of roof insulation.
Filing Folder for Pipe Covering Data. Made in accordance with A. I. A. rules.
The Cork-lined House Makes a Comfortable Home. 5 x 7 ins. 32 pp. Illustrated.
Armstrong's Corkboard. Insulation for Walls and Roofs of Buildings. Booklet, 66 pp., 9½ x 11¾ ins. Illustrates and describes use of insulation for structural purposes.

Cabot, Inc., Samuel, Boston, Mass.
Cabot's Insulating Quilt. Booklet, 7½ x 10½ ins., 24 pp. Illustrated. Deals with a valuable type of insulation.

Structural Gypsum Corporation, Linden, N. J.
Heat Insulation Value of Gypsteel. Folder, 4 pp., 8½ x 11 ins. Brochure, by Charles L. Norton, of M. I. T.

JOISTS

Bates Expanded Steel Truss Co., East Chicago, Ind.
Catalog No. 4. Booklet, 32 pp., 8½ x 11 ins. Illustrated. Gives details of truss construction with loading tables and specifications.

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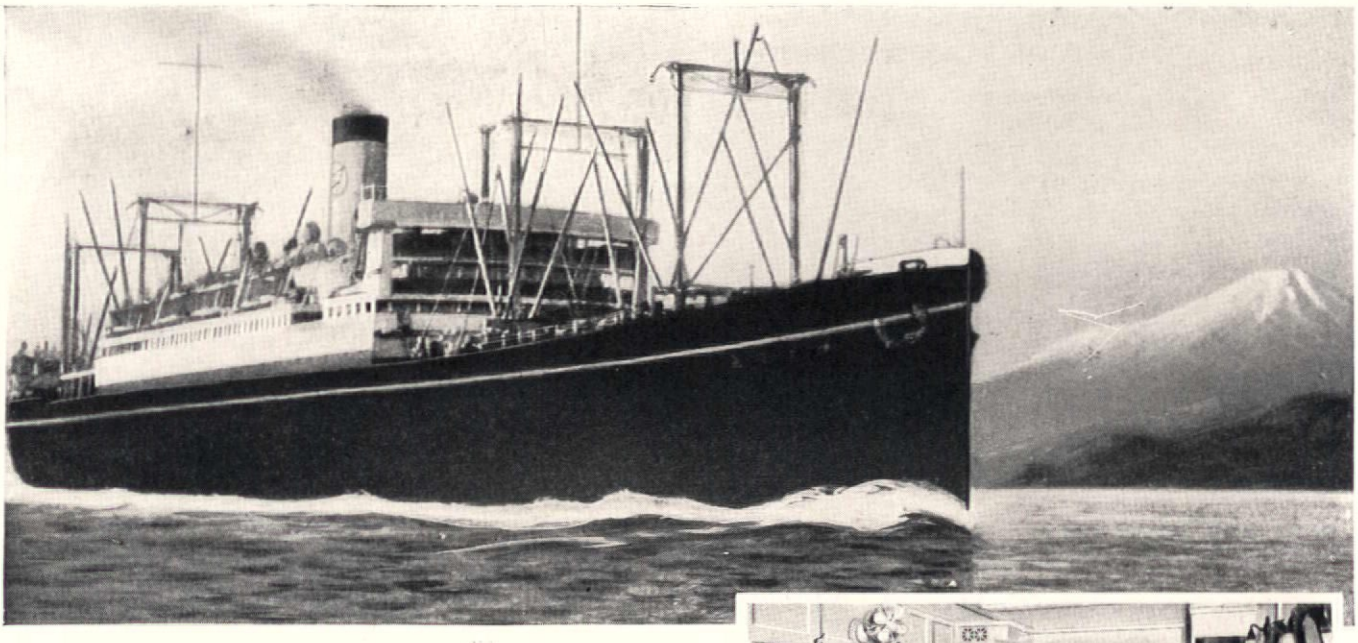
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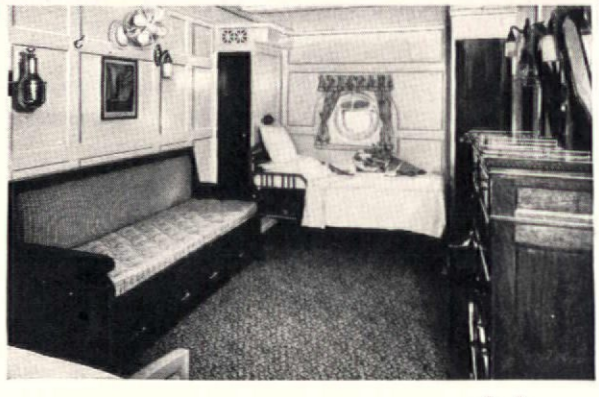
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SELECTED LIST OF MANUFACTURERS' PUBLICATIONS — *Continued from page 84*

JOISTS—Continued

Concrete Steel Company, 42 Broadway, New York, N. Y.
Structural Economies for Concrete Floors and Roofs. Booklet, 32 pp., 8½ x 11 ins. Illustrated.
Modern Concrete Reinforcement. Brochure, 32 pp., 8½ x 11 ins. Illustrated.
Construction Details for Installing Havemeyer Trusses. Data sheets, 8½ x 11 ins. Illustrated.
Standard Practice for Placing Havemeyer Reinforcement in Columns, Beams and Slabs. Data sheets, 8½ x 11 ins. Illustrated.

KITCHEN EQUIPMENT

The International Nickel Company, 67 Wall St., New York, N. Y.
Hotels, Restaurants and Cafeteria Applications of Monel Metal. Booklet, 8½ x 11 ins., 32 pp. Illustrated. Gives types of equipment in which Monel Metal is used, with service data and sources of equipment.

Prometheus Electric Corporation, 360 West 13th St., New York.
Electric Heating Specialties. Booklet, 24 pages. 8½ x 11 ins. Illustrated. Specialties for heating, cooking, hospitals, organ lofts, etc.

John Van Range Co., Cincinnati.
Practical Planning for Church Food Service. Booklet, 32 pp., 8½ x 11 ins. Illustrated.
Practical Planning for School Service. Booklet, 32 pp., 8½ x 11 ins. Illustrated.

LABORATORY EQUIPMENT

Alberene Stone Co., 153 West 23rd Street, New York City.
Booklet, 8¾ x 11¼ ins., 26 pp. Stone for laboratory equipment, shower partitions, stair treads, etc.

Duriron Company, Dayton, Ohio.
Duriron Acid, Alkali and Rust-proof Drain Pipe and Fittings. Booklet, 8½ x 11 ins., 20 pp. Full details regarding a valuable form of piping.

LANTERNS

Todhunter, Arthur, 119 E. 57th St., New York, N. Y.
Hand-wrought Lanterns. Booklet, 5¼ x 6¾ ins., 20 pp. Illustrated in black and white. With price list. Lanterns appropriate for exterior and interior use, designed from old models and meeting the requirements of modern lighting.

LATH, METAL AND REINFORCING

Milwaukee Corrugating Co., Milwaukee.
The Milcor Manual. Booklet, 96 pp., 8½ x 11 ins. Illustrated. Data on metal lath and similar materials.
Milcor Metal Ceiling Catalog. Booklet, 288 pp., 8½ x 11 ins. Illustrated. Data on metal ceiling and wall construction.

National Steel Fabric Co., Pittsburgh, Pa.
Better Walls for Better Homes. Brochure, 16 pp., 7¾ x 11¾ ins. Illustrated. Metal lath, particularly for residences.
Steeltex for Floors. Booklet, 24 pp., 8½ x 11 ins. Illustrated. Combined reinforcing and form for concrete or gypsum floors and roofs.
Steeltex Data Sheet No. 1. Folder, 8 pp., 8½ x 11 ins. Illustrated. Steeltex for floors on steel joists with round top chords.
Steeltex Data Sheet No. 2. Folder, 8 pp., 8½ x 11 ins. Illustrated. Steeltex for floors on steel joists with flat top flanges.
Steeltex Data Sheet No. 3. Folder, 8 pp., 8½ x 11 ins. Illustrated. Steeltex for folders on wood joists.

North Western Expanded Metal Co., 1234 Old Colony Building, Chicago, Ill.
North Western Expanded Metal Products. Booklet, 8½ x 10¾ ins., 20 pp. Fully illustrated, and describes different products of this company, such as Kno-burn metal lath, 20th Century Corrugated. Plasta-saver and longspan lath channels, etc.
Longspan ¾-inch Rib Lath. Folder, 4 pp., 8½ x 11 ins. Illustrated. Deals with a new type of V-Rib expanded metal.
A. I. A. Sample Book. Bound volume, 8½ x 11 ins. Contains actual samples of several materials and complete data regarding their use.
Norwest Metal Lath. Folder, 8½ x 11 ins. Illustrated. Data on Flat Rib Lath.

Truscon Steel Company, Youngstown, Ohio.
Truscon ¾-inch Hy-Rib for Roofs, Floors and Walls. Booklet, 8½ x 11 ins., illustrating Truscon ¾-inch Hy-Rib as used in industrial buildings. Plates of typical construction. Progressive steps of construction. Specification and load tables.

LAUNDRY MACHINERY

Troy Laundry Machinery Co., Inc., 9 Park Place, New York City.
Laundry Machinery for Large Institutions. Loose-leaf booklet, 50 pp., 8½ x 11 ins. Illustrated.
Laundry Machinery for Small Institutions. Loose-leaf brochure, 50 pp., 8½ x 11 ins. Illustrated.
Accessory Equipment for Institutional Laundries. Leather bound book, 50 pp., 8½ x 11 ins. Illustrated.
Dry Cleaning Equipment for Institutional Purposes. Brochure, 50 pp., 8½ x 11 ins. Illustrated.

LIGHTING EQUIPMENT

The Frink Co., Inc., 369 Lexington Ave., New York, N. Y.
Catalog 415, 8½ x 11 ins., 46 pp. Photographs and scaled cross-sections. Specialized bank lighting, screen and partition reflectors, double and single desk reflectors and Polaralite Signs.

Holophane Company, Inc., 342 Madison Ave., New York, N. Y.
The Lighting of Schools; A Guide to Good Practice. Booklet. 24 pp., 8½ x 11 ins. Illustrated.
Lighting Specifications for Hospitals. Brochure, 30 pp., 8½ x 11 ins. Illustrated.
Industrial Lighting. Bulletin 448A. Booklet, 24 pp., 8½ x 11 ins. Illustrated.
Holophane Catalog. Booklet, 48 pp., 8½ x 11 ins. Combination catalog and engineering data book.
The Lighting of Schools. A Guide to Good Practice. Booklet, 24 pp., 8½ x 11 ins. Illustrated.

Smyser-Royer Co., 1700 Walnut Street, Philadelphia, Pa.
Catalog "J" on Exterior Lighting Fixtures. Brochure, illustrated, giving data on over 300 designs of standards, lanterns and brackets of bronze or cast iron.

Todhunter, 119 East 57th St., New York, N. Y.
Lighting Fixtures, Lamps and Candlesticks. 24 pp., 8½ x 11 ins. Illustrated. Fine assortment of lighting accessories.

Westinghouse Electric & Manufacturing Co., East Pittsburgh, Pa.
Industrial Lighting Equipment. Booklet, 32 pp., 8½ x 11 ins. Illustrated.
Commercial Lighting. Brochure, 24 pp., 8½ x 11 ins. Illustrated.
Airport and Floodlighting Equipment. Booklet, 20 pp., 8½ x 11 ins. Illustrated.

LUMBER

National Lumber Mfrs. Assn., Washington, D. C.
Use of Lumber on the Farm. Booklet, 38 pp., 8½ x 11 ins. Illustrated.

MAIL CHUTES

Cutler Mail Chute Company, Rochester, N. Y.
Cutler Mail Chute Model F. Booklet, 4 x 9¼ ins., 8 pp. Illustrated.

MANTELS

Henry Klein & Co., Inc. 40-46 West 23rd Street, New York.
Driwood Mantels. Booklet. 12 pp. 8½ x 11 ins. Illustrated. Fine line of eighteenth century English and American mantels.

Arthur Todhunter, 119 E. 57th St., New York, N. Y.
Georgian Mantels. New booklet, 24 pp., 5¾ x 6¼ ins. A fully illustrated brochure on eighteenth century mantels. Folders give prices of mantels and illustrations and prices of fireplace equipment.

MARBLE

The Georgia Marble Company, Tate, Ga.; New York Office, 1328 Broadway.
Why Georgia Marble Is Better. Booklet, 3⅜ x 6 ins. Gives analysis, physical qualities, comparison of absorption with granite, opinions of authorities, etc.
Convincing Proof. 3⅜ x 6 ins., 8 pp. Classified list of buildings and memorials in which Georgia Marble has been used, with names of Architects and Sculptors.
Hurt Building, Atlanta; Senior High School and Junior College, Muskegon, Mich. Folders, 4 pp., 8½ x 11 ins. Details.

METALS

Aluminum Company of America, Pittsburgh.
Architectural Aluminum. Brochure, 30 pp., 8½ x 11 ins. Illustrated. An excellent booklet on the subject.

Central Alloy Steel Corporation, Massillon, Ohio.
Sheet Iron Primer. Booklet, 64 pp., 5¼ x 7¾ ins. Illustrated.
The Path to Permanence. Brochure, 52 pp., 8½ x 11 ins. Illustrated. Data on sheet iron.

The International Nickel Company, 67 Wall St., New York, N. Y.
Monel Metal Primer. 8 folders, 4 pp., 8½ x 11 ins. Illustrated. Valuable data on use of monel in kitchens, laundries, etc.

MILL WORK—See also Wood

Curtis Companies Service Bureau, Clinton, Iowa.
Architectural Interior and Exterior Woodwork. Standardized Book, 9 x 11½ ins., 240 pp. Illustrated. This is an Architects' Edition of the complete catalog of Curtis Woodwork, as designed by Trowbridge & Ackerman. Contains many color plates.
Better Built Homes. Vols. XV-XVIII, incl. Booklet, 9 x 12 ins., 40 pp. Illustrated. Designs for houses of five to eight rooms, respectively, in several authentic types, by Trowbridge & Ackerman, architects for the Curtis Companies.
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Curtis Windows. Brochure, 7¾ x 10½ ins. Illustrated.
Curtis Interior Doors. Booklet, 7¾ x 10½ ins. Illustrated.
Curtis Entrances and Exterior Doors. Brochure, 7¾ x 10½ ins. Illustrated.

Hartmann-Sanders Company, 2155 Elston Ave., Chicago, Ill.
Column Catalog, 7½ x 10 ins., 48 pp. Illustrated. Contains prices on columns 6 to 36 ins. diameter, various designs and illustrations of columns and installations.
The Pergola Catalog. 7½ x 10 ins., 64 pp. Illustrated. Contains illustrations of pergola lattices, garden furniture in wood and cement, garden accessories.

Klein & Co., Inc., Henry, 11 East 37th St., New York, N. Y.
Two Driwood Interiors. Folder, 4 pp., 6¼ x 9 ins. Illustrated. Use of moulding for paneling walls.
A New Style in Interior Decoration. Folder, 4 pp., 6¼ x 9 ins. Illustrated. Deals with interior woodwork.
Driwood Period Mouldings in Ornamented Wood. Booklet, 28 pp., 8½ x 11 ins. Illustrated.
How Driwood Period Mouldings in Ornamented Wood Set a New Style in Decoration. Folder.

Roddis Lumber and Veneer Co., Marshfield, Wis.
Roddis Doors. Brochure, 24 pp., 5¾ x 8½ ins. Illustrated price list of doors for various types of buildings.
Roddis Doors, Catalog G. Booklet, 184 pp., 8½ x 11 ins. Completely covers the subject of doors for interior use.
Roddis Doors for Hospitals. Brochure, 16 pp., 8½ x 11 ins. Illustrated work on hospital doors.
Roddis Doors for Hotels. Brochure, 16 pp., 8½ x 11 ins. Illustrated work on doors for hotel and apartment buildings.

MORTAR AND CEMENT COLORS

Clinton Metallic Paint Co., Clinton, N. Y.
Clinton Mortar Colors. Folder, 8½ x 11 ins., 4 pp. Illustrated in colors, gives full information concerning Clinton Mortar Colors with specific instructions for using them.
Color Card. 3¼ x 6½ ins. Illustrates in color the ten shades in which Clinton Mortar Colors are manufactured.
Something New in Stucco. Folder, 3½ x 6 ins. An interesting folder on the use of coloring matter for stucco coated walls.

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Jacobson & Co., 241 East 44th St., New York, N. Y.
A Book of Old English Designs. Brochure, 47 plates, 12 x 9 ins. Deals with a fine line of decorative plaster work.
Architectural and Decorative Ornaments. Cloth bound volume, 184 pp., 9 x 12 ins., 18 plates. Price, $3.00. A general catalog of fine plaster ornaments.
Geometrical ceilings. Booklet, 23 plates, 7 x 9 ins. An important work on decorative plaster ceilings.

PAINTS, STAINS, VARNISHES AND WOOD FINISHES

Minwax Company, Inc., 11 West 42nd St., New York.
Color Card and Specifications for Minwax Brick and Cement Coating. Folder, 4 pp., 8½ x 11 ins. Illustrated.

National Lead Company, 111 Broadway, New York, N. Y.
Handy Book on Painting. Book, 5½ x 3¼ ins., 100 pp. Gives directions and formulæ for painting various surfaces of wood, plaster, metals, etc., both interior and exterior.
Red Lead in Paste Form. Booklet, 6¼ x 3½ ins., 16 pp. Illustrated. Directions and formulæ for painting metals.
Came Lead. Booklet, 6 x 8¾ ins., 12 pp. Illustrated. Describes various styles of lead cames.

Pratt & Lambert, Inc., Buffalo, N. Y.
Specification Manual for Paint, Varnishing and Enameling. Booklet, 38 pp., 7½ x 10⅝ ins. Complete specifications for painting, varnishing and enameling interior and exterior wood, plaster, and metal work.

Sherwin-Williams Company, 601 Canal Rd., Cleveland, Ohio.
Painting Concrete and Stucco Surfaces. Bulletin No. 1. 8½ x 11 ins., 8 pp. Illustrated. A complete treatise with complete specifications on the subject of Painting of Concrete and Stucco Surfaces. Color chips of paint shown in bulletin.
Enamel Finish for Interior and Exterior Surfaces. Bulletin No. 2, 8½ x 11 ins., 12 pp. Illustrated. Thorough discussion, including complete specifications for securing the most satisfactory enamel finish on interior and exterior walls and trim.
Painting and Decorating of Interior Walls. Bulletin No. 3, 8½ x 11 ins., 20 pp. Illustrated. An excellent reference book on Flat Wall Finish, including texture effects, which are taking the country by storm. Every architect should have one on file.
Protective Paints for Metal Surfaces. Bulletin No. 4, 8½ x 11 ins., 12 pp. Illustrated. A highly technical subject treated in a simple, understandable manner.

Sonneborn Sons, Inc., L., Dept. 4, 116 Fifth Ave., New York. N. Y.
Paint Specifications. Booklet, 8½ x 10¾ ins., 4 pp.

Toch Brothers, New York, Chicago, Los Angeles.
Architects' Specification Data. Sheets in loose leaf binder, 8½ x 11 ins., dealing with an important line of materials.

U. S. Gutta Percha Paint Co., Providence, R. I.
Barreled Sunlight. Booklet, 8½ x 11 ins. Data on "Barreled Sunlight" with specifications for its use.

PARCEL DELIVERY DEVICES

Receivador Sales Company, Grand Rapids, Mich.
Architects' Portfolio. Booklet, 12 pp., 8½ x 11 ins. Illustrated. Deals with delivery problems and their solution.

PARTITIONS

Circle A. Products Corporation, New Castle, Ind.
Circle A. Partitions Sectional and Movable. Brochure. Illustrated. 8½ x 11¾ ins., 32 pp. Full data regarding an important line of partitions, along with Erection Instructions for partitions of three different types.

Dahlstrom Metallic Door Company, Jamestown, N. Y.
Dahlstrom Standard Steel Partitions. Booklet, 24 pp., 8½ x 11 ins. Illustrated.

Irving Hamlin, Evanston, Ill.
Hamlinized Folding Partitions Made from Hamlin's Evanston Soundproof Doors, Sectional and Movable. Folder, 4 pp., 8½ x 11 ins. Illustrated.

Hauserman Company, E. F., Cleveland, Ohio.
Hollow Steel Standard Partitions. Various folders, 8½ x 11 ins. Illustrated. Give full data on different types of steel partitions, together with details, elevations and specifications.

Improved Office Partition Company, 25 Grand St., Elmhurst, L. I.
Telesco Partition. Catalog, 8¼ x 11 ins., 14 pp. Illustrated. Shows typical offices laid out with Telesco partitions, cuts of finished partition units in various woods. Gives specifications and cuts of buildings using Telesco.
Detailed Instructions for Erecting Telesco Partitions. Booklet, 24 pp., 8½ x 11 ins. Illustrated. Complete instructions, with cuts and drawings, showing how easily Telesco Partition can be erected.

Richards-Wilcox Mfg. Co., Aurora, Ill.
Partitions. Booklet, 7 x 10 ins., 32 pp. Illustrated. Describes complete line of track and hangers for all styles of sliding parallel, accordion and flush-door partitions.

U. S. Gypsum Co., Chicago, Ill.
Pyrobar Partition and Furring Tile. Booklet, 8½ x 11 ins., 24 pp. Illustrated. Describes use and advantages of hollow tile for inner partitions.

PIPE

American Brass Company, Waterbury, Conn.
Bulletin B-1. Brass Pipe for Water Service. 8½ x 11 ins., 28 pp. Illustrated. Gives schedule of weights and sizes (I.P.S.) of seamless brass and copper pipe, shows typical installations of brass pipe, and gives general discussion of the corrosive effect of water on iron, steel and brass pipe.

American Rolling Mill Company, Middletown, Ohio.
How ARMCO Dredging Products Cut Costs. Booklet, 16 pp., 6 x 9 ins. Data on dredging pipe.

Clow & Sons, James B., 534 S. Franklin St., Chicago, Ill.
Catalog A. 4 x 16½ ins., 700 pp. Illustrated. Shows a full line of steam, gas and water works supplies.

Cohoes Rolling Mill Company, Cohoes, N. Y.
Cohoes Pipe Handbook. Booklet, 40 pp., 5 x 7½ ins. Data on wrought iron pipe.

Duriron Company, Dayton, Ohio.
Duriron Acid, Alkali, Rust-proof Drain Pipe and Fittings. Booklet, 20 pp., 8½ x 11 ins. Illustrated. Important data on a valuable line of pipe.

National Tube Co., Frick Building, Pittsburgh, Pa.
"National" Bulletin No. 2. Corrosion of Hot Water Pipe, 8½ x 11 ins., 24 pp. Illustrated. In this bulletin is summed up the most important research dealing with hot water systems. The text matter consists of seven investigations by authorities on this subject.
"National" Bulletin No. 3. The Protection of Pipe Against Internal Corrosion, 8½ x 11 ins., 20 pp. Illustrated. Discusses various causes of corrosion, and details are given of the deactivating and deareating systems for eliminating or retarding corrosion in hot water supply lines.
"National" Bulletin No. 25. "National" Pipe in Large Buildings. 8½ x 11 ins., 88 pp. This bulletin contains 254 illustrations of prominent buildings of all types, containing "National" Pipe, and considerable engineering data of value to architects, engineers, etc.
Modern Welded Pipe. Book of 88 pp., 8½ x 11 ins., profusely illustrated with halftone and line engravings of the important operations in the manufacture of pipe.

PLASTER

Best Bros. Keene's Cement Co., Medicine Lodge, Kans.
Information Book. Brochure, 24 pp., 5 x 9 ins. Lists grades of plaster manufactured; gives specifications and uses for plaster.
Plasterers' Handbook. Booklet, 16 pp., 3½ x 5½ ins. A small manual for use of plasterers.

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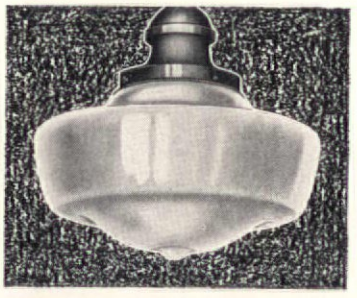
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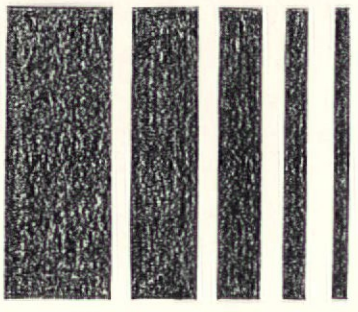
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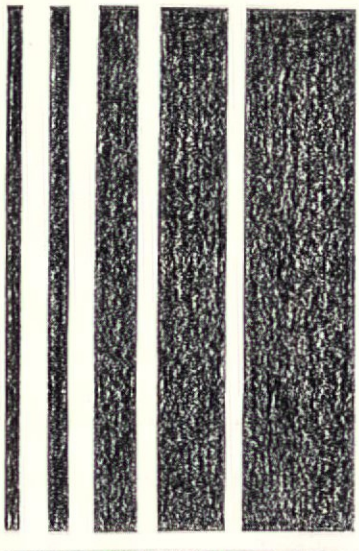


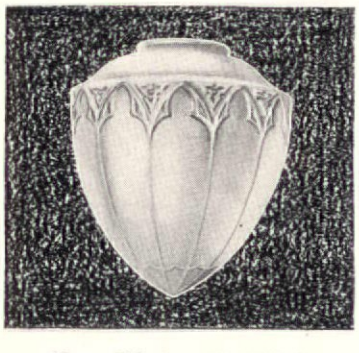
Provincial Parliament Building, Toronto, Ontario. F. R. Heakes, Architect.

Monax Globe No. 5130 installed in the offices









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2923

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PLASTER—Continued

Interior Walls Everlasting. Brochure, 20 pp., 6¼ x 9¼ ins. Illustrated. Describes origin of Keene's Cement and views of buildings in which it is used.

PLUMBING EQUIPMENT

Clow & Sons, James B., 534 S. Franklin St., Chicago, Ill.
Catalog M. 9¼ x 12 ins., 184 pp. Illustrated. Shows complete line of plumbing fixtures for Schools, Railroads and Industrial Plants.

Crane Company, 836 S. Michigan Ave., Chicago, Ill.
Plumbing Suggestions for Home Builders. Catalog, 3 x 6 ins., 80 pp. Illustrated.
Plumbing Suggestions for Industrial Plants. Catalog, 4 x 6½ ins., 34 pp. Illustrated.
Planning the Small Bathroom. Booklet, 5 x 8 ins. Discusses planning bathrooms of small dimensions.

John Douglas Co., Cincinnati, Ohio.
Douglas Plumbing Fixtures. Bound volume, 200 pp., 8½ x 11 ins. Illustrated. General catalog.
Another Douglas Achievement. Folder, 4 pp., 8½ x 11 ins. Illustrated. Data on new type of stall.
Hospital. Brochure, 60 pp., 8½ x 11 ins. Illustrated. Deals with fixtures for hospitals.

Duriron Company, Dayton, Ohio.
Duriron Acid, Alkali and Rust-Proof Drain Pipe and Fittings. Booklet, 8½ x 11 ins., 20 pp. Full details regarding a valuable form of piping.

Imperial Brass Mfg. Co., 1200 W. Harrison St., Chicago, Ill.
Watrous Patent Flush Valves, Duojet Water Closets, Liquid Soap Fixtures, etc. 8½ x 11 ins., 136 pp., loose-leaf catalog, showing roughing-in measurements, etc.

Maddock's Sons Company, Thomas, Trenton, N. J.
Catalog K. 7⅞ x 10⅞ ins., 242 pp. Illustrated. Complete data on vitreous china plumbing fixtures with brief history of Sanitary Pottery.

Speakman Company, Wilmington, Del.
Catalog K. Booklet, 150 pp., 8½ x 10⅞ ins. Illustrated. Data on showers and equipment details.

Trenton Potteries Company, Trenton, N. J.
The Blue Book of Plumbing. Bound volume, 182 pp., 8½ x 10½ ins. Illustrated.

PNEUMATIC TUBE SYSTEMS

G & G Atlas Systems, Inc., 544 West Broadway, New York.
12 pp., 8½ x 11. Illustrated booklet of tube systems for retail stores and other buildings. 4 pp., 8½ x 11. Data Sheet showing schematic diagrams for hotel, bank, factory and wholesale buildings, table of sizes, space requirements and preliminary layout steps. A.I.A. 35h21.

PUMPS

Kewanee Private Utilities Co., 442 Franklin St., Kewanee, Ill.
Bulletin E. 7¾ x 10¾ ins., 32 pp. Illustrated. Catalog. Complete descriptions, with all necessary data, on Standard Service Pumps, Indian Brand Pneumatic Tanks, and Complete Water Systems, as installed by Kewanee Private Utilities Co.

The Trane Co., La Crosse, Wis.
Trane Small Centrifugal Pumps. Booklet, 3¾ x 8 ins., 16 pp. Complete data on an important type of pump.

RADIO EQUIPMENT

Radio Corporation of America, Woolworth Building, New York City, N. Y.
R. C. A. Antenna Distribution System for Multiple Receivers. Booklet, 16 pp., 8½ x 11 ins. Illustrated. Apparatus for apartment houses and similar large buildings.
R. C. A. Centralized Radio Receiving Equipment. Brochure, 8 pp., 9 x 11 ins. Illustrated. Radio equipment for hotels, hospitals, etc.

RAMPS

Ramp Buildings Corporation, 21 East 40th St., New York, N. Y.
Building Garages for Profitable Operation. Booklet, 8½ x 11 ins. 16 pp. Illustrated. Discusses the need for modern mid-city, parking garages, and describes the d'Humy Motoramp system of design, on the basis of its superior space economy and features of operating convenience. Gives cost analyses of garages of different sizes, and calculates probable earnings.
Garage Design Data. Series of informal bulletins issued in loose-leaf form, with monthly supplements.

REFRIGERATION

The Fulton Syphon Company, Knoxville, Tenn.
Temperature Control of Refrigeration Systems. Booklet, 8 pp., 8½ x 11 ins. Illustrated. Deals with cold storage, chilling of water, etc.

North Western Expanded Metal Company, Chicago, Ill.
Designing Data. Book, 6 x 9 ins., 96 pp. Illustrated. Covers the use of Econo Expanded Metal for various types of reinforced concrete construction.

REINFORCED CONCRETE—See also Construction, Concrete

Longspan ¾-inch Rib Lath. Folder, 4 pp., 8½ x 11 ins. Illustrated. Deals with a new type of V-Rib expanded metal.

Truscon Steel Company, Youngstown, Ohio.
Shearing Stresses in Reinforced Concrete Beams. Booklet, 8½ x 11 ins., 12 pp.

RESTAURANT EQUIPMENT

John Van Range Company, Cincinnati.
Planning Restaurants That Make Money. Booklet, 78 pp., 8½ x 11 ins. Illustrated. Excellent work on equipment.

ROOFING

The Barrett Company, 40 Rector St., New York City.
Architects' and Engineers' Built-up Roofing Reference Series; Volume IV Roof Drainage System. Brochure, 64 pp., 8½ x 11¼ ins. Gives complete data and specifications for many details of roofing.

Federal Cement Tile Co., 608 S. Dearborn Street, Chicago.
Catalog and Roof Standards. Booklet, 36 pp. 8½ x 11 ins. Illustrated. Describes Featherweight Concrete Insulating Roof Slabs, including complete data, weights and dimensions, specifications and detail drawings. Also includes complete information on Featherweight Concrete Roof Slabs for use with ornamented slate or copper covering. The catalog is profusely illustrated and contains also a partial list of users.
Examples of Theaters and Theater Roofs. Brochure, 16 pps., 8½ x 11 ins., Illustrated. Contains views of theaters designed by some of the country's leading architects.

Heinz Roofing Tile Co., 1925 West Third Avenue, Denver, Colo.
Plymouth-Shingle Tile with Sprocket Hips. Leaflet, 8½ x 11 ins. Illustrated. Shows use of English shingle tile with special hips.
Italian Promenade Floor Tile. Folder, 2 pp., 8½ x 11 ins. Illustrated. Floor tiling adapted from that of Davanzati Palace.
Mission Tile. Leaflet, 8½ x 11 ins. Illustrated. Tile such as are used in Italy and Southern California.
Georgian Tile. Leaflet, 8½ x 11 ins. Illustrated. Tiling as used in old English and French farmhouses.

Johns-Manville Corporation, New York.
The New Book of Roofs. Brochure, 24 pp., 8½ x 11 ins. Illustrated. Roofing from the Architect's point of view.

Ludowici-Celadon Company, 104 So. Michigan Ave., Chicago, Ill.
"Ancient" Tapered Mission Tiles. Leaflet, 8½ x 11 ins., 4 pp. Illustrated. For architects who desire something out of the ordinary this leaflet has been prepared. Describes briefly the "Ancient" Tapered Mission Tiles, hand-made with full corners and designed to be applied with irregular exposures.

Milwaukee Corrugating Co., Milwaukee.
Milcor Architectural Sheet Metal Guide. Booklet. 72 pp., 8½ x 11 ins. Illustrated. Metal tile roofing, skylights, ventilators, etc.
Milcor Sheet Metal Handbook. Brochure. 128 pp., 8½ x 11 ins. Illustrated. Deals with rain-carrying equipment, etc.

Structural Gypsum Corporation, Linden, N. J.
Relative Effectiveness of Various Types of Roofing Construction in Preventing Condensation of the Under Surface. Folder, 4 pp., 8¾ x 11 ins. Important data on the subject.
Gypsteel Pre-cast Fireproof Roofs. Booklet, 48 pp., 8½ x 11 ins. Illustrated. Information regarding a valuable type of roofing.

U. S. Gypsum Co., Chicago, Ill.
Pyrobar Roof Construction. Booklet, 8 x 11 ins., 48 pp. Illustrated. Gives valuable data on the use of tile in roof construction.
Sheetrock Pyrofill Roof Construction. Folder, 8½ x 11 ins. Illustrated. Covers use of roof surfacing which is poured in place.

SCHOOL EQUIPMENT

John Van Range Co., Cincinnati.
Practical Planning for School Service. Booklet, 32 pp., 8½ x 11 ins. Illustrated.

SEWAGE DISPOSAL

Kewanee Private Utilities, 442 Franklin St., Kewanee, Ill.
Specification Sheets. 7¾ x 10¾ ins., 40 pp. Illustrated. Detailed drawings and specifications covering water supply and sewage disposal systems.

Nash Engineering Company, South Norwalk, Conn.
Bulletin 97. Booklet. 16 pp. 10¾ x 7½ ins. Illustrated in color. Describes the design, construction and operation of the Jennings Suction Sump Pump.
Bulletin 11. Brochure. 8 pp. 10¾ x 7½ ins. Illustrated in color. Deals with Nash Hytor Vacuum Pumps for air and gases.
Bulletin 67. Booklet. 16 pp. 10¾ x 7½ ins. Illustrated in color. Describes Type A Jennings Sewage Ejector for handling Unscreened sewage and raising it from basements below sewer level.
Bulletin 103. Brochure. 16 pp. 10¾ x 7½ ins. Illustrated in color. Deals with small size Type B Jennings Sewage Ejector.

SCREENS

American Brass Co., The, Waterbury, Conn.
Facts for Architects About Screening. Illustrated folder, 9½ x 11¾ ins., giving actual samples of metal screen cloth and data on fly screens and screen doors.

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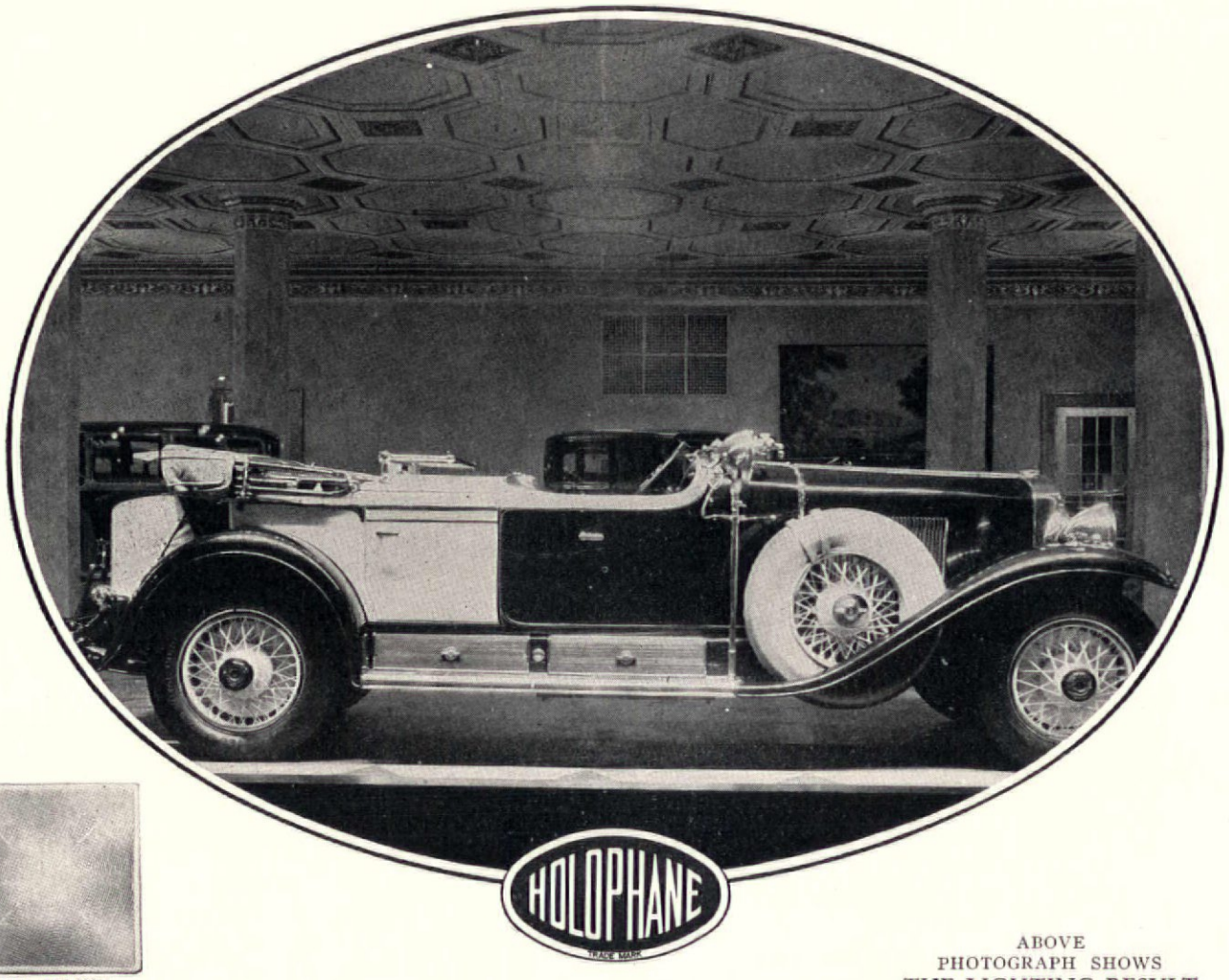
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SELECTED LIST OF MANUFACTURERS' PUBLICATIONS — *Continued from page 90*

SCREENS—Continued

Athey Company, 6015 West 65th St., Chicago, Ill.
The Athey Perennial Window Shade. An accordion pleated window shade, made from translucent Herringbone woven Coutil cloth, which raises from the bottom and lowers from the top. It eliminates awnings, affords ventilation, can be dry-cleaned and will wear indefinitely.

Orange Screen Co., Maplewood, N. J.
Orsco Aluminum Screens. Booklet, 8 pp., 8 x 11 ins. Illustrated. Data on a valuable line of screens.

Orsco Screens and Other Products. Brochure, 20 pp., 8 x 11 ins. Illustrated. Door and window screens and other hardware.

SHADE CLOTH AND ROLLERS

Columbia Mills, Inc., 225 Fifth Avenue, New York, N. Y.
Window Shade Data Book. Folder, 28 pp., 8½ x 11 ins. Illustrated.

SHELVING-STEEL

David Lupton's Sons Company, Philadelphia, Pa.
Lupton Steel Shelving. Catalog E. Illustrated brochure, 40 pp., 8½ x 11 ins. Deals with steel cabinets, shelving, racks, doors, partitions, etc.

STEEL PRODUCTS FOR BUILDING

Bethlehem Steel Company, Bethlehem, Pa.
Steel Joists and Stanchions. Booklet, 72 pp., 4 x 6¾ ins. Data for steel for dwellings, apartment houses, etc.

Steel Frame House Company, Pittsburgh, Pa. (Subsidiary of McClintic-Marshall Corp.)
Steel Framing for Dwellings. Booklet, 16 pp., 8½ x 11 ins. Illustrated.

Steel Framing for Gasoline Service Stations. Brochure, 8 pp., 8½ x 11 ins. Illustrated.

Steel Frame Standard Gasoline Service Stations. Booklet, 8 pp., 8½ x 11 ins. Illustrated. Three standard designs of stations.

Westinghouse Electric & Mfg. Co., East Pittsburgh, Pa.
The Arc Welding of Structural Steel. Brochure, 32 pp., 8½ x 11 ins. Illustrated. Deals with an important structural process.

STONE, BUILDING

Indiana Limestone Company, Bedford, Ind.
Volume 3, Series A-3. Standard Specifications for Cut Indiana Limestone work, 8½ x 11 ins., 56 pp. Containing specifications and supplementary data relating to the best methods of specifying and using this stone for all building purposes.

Volume 1. Series B. Indiana Limestone Library, 6 x 9 ins., 36 pp. Illustrated. Giving general information regarding Indiana Limestone, its physical characteristics, etc.

Volume 4. Series B. Booklet. New Edition, 8½ x 11 ins., 64 pp. Illustrated. Indiana Limestone as used in Banks.

Volume 5. Series B. Indiana Limestone Library. Portfolio, 11⅛ x 8¼ ins. Illustrated. Describes and illustrates the use of stone for small houses with floor plans of each.

Volume 6. Series B. Indiana Limestone School and College Buildings. 8½ x 11 ins., 80 pp. Illustrated.

Volume 12. Series B. Distinctive Homes of Indiana Limestone. 8½ x 11 ins., 48 pp. Illustrated.

Old Gothic Random Ashlar. 8½ x 11 ins., 16 pp. Illustrated.

STORE FRONTS

Brasco Manufacturing Co., 5025-35 South Wabash Ave., Chicago, Ill.
Catalog No. 33. Series 500. All-Metal Construction. Brochure, 20 pp., 8½ x 11 ins. Illustrated. Deals with store fronts of a high class.

Catalog No. 34. Series 202. Standard construction. Booklet, 16 pp. 8½ x 11 ins. Illustrated, complete data on an important type of building.

Detail Sheets. Set of seven sheets, 8½ x 11 ins., printed on tracing paper, giving full-sized details and suggestions for store front designs.

Davis Solid Architectural Bronze Sash. Set of six sheets, 8½ x 11 ins., printed on tracing paper. Full-sized details and suggestions for designs of special bronze store front construction.

The Kawneer Company, Niles, Mich.
Catalog M, 1929 Edition, 64 pages, 8½ x 11 ins., with the A.I.A. File No., profusely illustrated. General Catalog.
Detail Sheet and descriptive folder, 8½ x 11 ins., with A.I.A. File No. featuring "B" Store Front Construction, designed along modernistic lines.

STORE FRONTS—Continued

Modern Bronze Store Front Co., Chicago Heights, Ill.
Introducing Extruded Bronze Store Front Construction. Folder, 4 pp., 8½ x 11 ins. Illustrated. Contains full-sized details of metal store fronts.

Zouri Drawn Metals Company, Chicago Heights, Ill.
Zouri Safety Key-Set Store Front Construction. Catalog, 8½ x 10½ ins., 60 pp. Illustrated. Complete information with detailed sheets and installation instructions convenient for architects' files.

International Store Front Construction. Catalog, 8½ x 10 ins., 70 pp. Illustrated. Complete information with detailed sheets and installation instructions convenient for architects' files.

Store Fronts by Zouri. Booklet, 30 pp., 9 x 12 ins. Illustrated.

TELEPHONE SERVICE ARRANGEMENTS

All Bell Telephone Companies. Apply nearest Business Office, or American Telephone and Telegraph Company, 195 Broadway, New York.
Planning for Home Telephone Conveniences. Booklet, 52 pp., 8½ x 11 ins. Illustrated.

Planning for Telephones in Building. Brochure, 74 pp., 8½ x 11 ins. Illustrated.

TERRA COTTA

National Terra Cotta Society, 19 West 44th St., New York, N. Y.
Standard Specifications for the Manufacture, Furnishing and Setting of Terra Cotta. Brochure, 8½ x 11 ins., 12 pp. Complete Specification, Glossary of Terms Relating to Terra Cotta and Short Form Specification for incorporating in Architects' Specification.

Color in Architecture. Revised Edition. Permanently bound volume, 9⅛ x 12¾ ins., containing a treatise upon the basic principles of color in architectural design, illustrating early European and modern American examples. Excellent illustrations in color.

Present Day Schools. 8½ x 11 ins., 32 pp. Illustrating 42 examples of school architecture with article upon school building design by James O. Betelle, A. I. A.

Better Banks. 8½ x 11 ins., 32 pp. Illustrating many banking buildings in terra cotta with an article on its use in bank design by Alfred C. Bossom, Architect.

TILE, HOLLOW

National Fire-Proofing Co., 250 Federal Street, Pittsburgh.
Natco. The Complete line of Structural Clay Tile. Booklet. 39 pp. 8½ x 11 ins. Illustrated. A General Catalog.
Natco Double Shell Load Bearing Tile Bulletin. 8½ x 11 ins., 6 pp. Illustrated.
Natco Unibacker Tile Bulletin. 8½ x 11 ins., 4 pp. Illustrated.
Natco Header Backer Tile Bulletin. 8½ x 11 ins., 4 pp. Illustrated.
Natcoflor Bulletin. 8½ x 11 ins., 6 pp. Illustrated.
Natco Face Tile for the Up-to-Date. Farm Bulletin. 8½ x 11 ins.

TILES

Hanley Company, Bradford, Pa.
Hanley Quarry Tile. Folder. 4 pp., 5 x 8 ins. Illustrated.

C. Pardee Works, 9 East 45th St., New York, N. Y., and 1600 Walnut St., Philadelphia, Pa.
Pardee Tiles. Bound volume, 48 pp., 8½ x 11 ins. Illustrated.

United States Quarry Tile Co., Parkersburg, W. Va.
Quarry Tiles for Floors. Booklet, 120 pp., 8½ x 11 ins. Illustrated. General catalog. Details of patterns and trim for floors.
Art Portfolio of Floor Designs. 9¼ x 12¾ ins. Illustrated in colors. Patterns of quarry tiles for floors.

VALVES

Crane Co., 836 S. Michigan Ave., Chicago, Ill.
No. 51. General Catalog. Illustrated. Describes the complete line of the Crane Co.

C. A. Dunham Co., 450 East Ohio St., Chicago, Ill.
The Dunham Packless Radiator Valve. Brochure, 12 pp., 8 x 11 ins. Illustrated. Data on an important type of valve.

Jenkins Brothers, 80 White Street, New York.
Office Buildings Yesterday and Today. Folder, 8½ x 11 ins. Illustrated. Valves for use in office buildings.
The Valve Behind a Good Heating System. Booklet, 4½ x 7¼ ins., 16 pp. Color plates. Description of Jenkins Radiator Valves for steam and hot water, and brass valves used as boiler connections.

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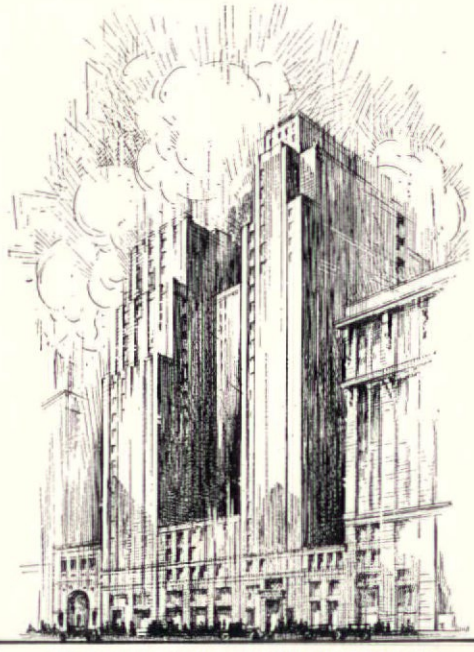
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SELECTED LIST OF MANUFACTURERS' PUBLICATIONS — *Continued from page 92*

VALVES—Continued

Jenkins Valves for Plumbing Service. Booklet, 4½ x 7¼ ins. 16 pp. Illustrated. Description of Jenkins Brass Globe, Angle Check and Gate Valves commonly used in home plumbing, and Iron Body Valves used for larger plumbing installations.

VENETIAN BLINDS

Burlington Venetian Blind Co., Burlington, Vt.
Venetian Blinds. Booklet, 7 x 10 ins., 24 pp. Illustrated. Describes the "Burlington" Venetian blinds, method of operation, advantages of installation to obtain perfect control of light in the room.

Columbia Mills, Inc., 225 Fifth Ave., New York.
Columbia Venetian Blinds. Booklet, 6 pp., 8½ x 11 ins. Illustrated. Complete data and specifications.

VENTILATION

American Blower Co., Detroit, Mich.
American H. S. Fans. Brochure, 28 pp., 8½ x 11 ins. Data on an important line of blowers.

Duriron Company, Dayton, Ohio.
Acid-proof Exhaust Fans. Folder, 8 x 10½ ins., 8 pp. Data regarding fans for ventilation of laboratory fume hoods.
Specification Form for Acid-proof Exhaust Fans. Folder, 8 x 10½ ins.

Staynew Filter Corporation, Rochester, N. Y.
Protectomotor High Efficiency Industrial Air Filters. Booklet, 20 pp., 8½ x 11 ins. Illustrated. Data on valuable detail of apparatus.

WATERPROOFING

Master Builders Company, Cleveland, Ohio.
Waterproofing and Dampproofing and Allied Products. Sheets in loose index file, 9 x 12 ins. Valuable data on different types of materials for protection against dampness.
Waterproofing and Dampproofing File. 36 pp. Complete descriptions and detailed specifications for materials used in building with concrete.

Minwax Company, Inc., 11 West 42nd St., New York.
Waterproofing Stadia. Folder, 4 pp., 8½ x 11 ins. Illustrated.
Transparent Waterproofings for All Masonry Walls and Surfaces. Folder, 4 pp., 8½ x 11 ins. Illustrated.
Data Sheet on Membrane Waterproofing. Folder, 4 pp., 8½ x 11 ins. Illustrated.

Sommers & Co., Ltd., 342 Madison Ave., New York, N. Y.
"Permantile Liquid Waterproofing" for making concrete and cement mortar permanently impervious to water. Also circulars on floor treatments and cement colors. Complete data and specifications. Sent upon request to architects using business stationery. Circular size, 8½ x 11 ins.

Sonneborn Sons, Inc., L., 116 Fifth Ave., New York, N. Y.
Pamphlet, 3¾ x 8¾ ins., 8 pp. Explanation of waterproofing principles. Specifications for waterproofing walls, floors, swimming pools and treatment of concrete, stucco and mortar.

Toch Brothers, New York, Chicago, Los Angeles.
Architects' Specification Data. Sheets in loose leaf binder, 8½ x 11 ins., dealing with an important line of materials.

WEATHER STRIPS

Athey Company, 6035 West 65th St., Chicago, Ill.
The Only Weatherstrip with a Cloth to Metal Contact. Booklet, 16 pp., 8½ x 11 ins. Illustrated. Data on an important type of weather stripping.

WINDOWS

Detroit Steel Products Co., 2250 E. Grand Boulevard, Detroit.
Fenestra Blue Book. Brochure, 75 pp., 8½ x 11 ins. Illustrated. Data on steel windows.

The Kawneer Company, Niles, Mich.
Circular, 8½ x 11 with A.I.A. File No. featuring full size details and specifications of Heavy Type Sealair Independent Balanced Sash Window.
Circular, 8½ x 11 with A.I.A. File No. featuring full size details and specifications of Light Independent Balanced Sash Sealair Windows.
Circular, 8½ x 11 with A.I.A. File No. featuring full size details and specifications of In-swinging Sash Sealair Windows. The above to be furnished in non-ferrous metal and steel.

David Lupton's Sons Company, Philadelphia, Pa.
Lupton Pivoted Sash. Catalog 12-A. Booklet, 48 pp., 8⅝ x 11 ins. Illustrates and describes windows suitable for manufacturing buildings.

WINDOWS, CASEMENT

Detroit Steel Products Co., 2250 E. Grand Boulevard, Detroit.
Fenestra Casements. Booklet, 14 pp., 8¼ x 11 ins. Illustrated. Discusses casements, particularly for residences.
Fenestra Screen Casements. Brochure, 16 pp., 8½ x 11 ins. Illustrated.
Decorating With Casements. Booklet, 18 pp., with inserts in color 6 x 8½ ins. Deals with use of decorations, particularly draperies, with casement windows.

WINDOWS, CASEMENT—Continued

Hope & Sons, Henry, 103 Park Ave., New York, N. Y.
Catalog, 12¼ x 18½ ins., 30 pp. Illustrated. Full-size details of outward and inward opening casements.

David Lupton's Sons Company, Philadelphia, Pa.
Lupton Casement of Copper Steel. Catalog C-217. Booklet, 24 pp., 8⅝ x 11 ins. Illustrated brochure on casements, particularly for residences.
Lupton Creates a Complete Casement. Folder, 8½ x 11 ins. Illustrated data on a casement providing for screens, shades and draperies.
Lupton Heavy Casements. Detail Sheet No. 101, 4 pp., 8½ x 11 ins. Details and specifications only.

Richards-Wilcox Mfg. Co., Aurora, Ill.
Casement Window Hardware. Booklet, 24 pp., 8½ x 11 ins. Illustrated. Shows typical installations, detail drawings, construction details, blue-prints if desired. Describes AIR-way Multifold Window Hardware.
Architectural Details. Booklet, 8½ x 11 ins., 16 pp. Tables of specifications and typical details of different types of construction.
List of Parts for Assembly. Booklet, 8½ x 11 ins., 16 pp. Full lists of parts for different units.

WINDOW SCREENS

Detroit Steel Products Co., 2250 E. Grand Boulevard, Detroit.
Fenestra Screen Casements. Brochure, 16 pp., 8½ x 11 ins. Illustrated.

Orange Screen Company, Maplewood, N. J.
New Vogue Aluminum Frame Screens. Booklet, 12 pp., 3½ x 8½ ins. Illustrated.

WINDOW SHADES AND ROLLERS

Columbia Mills, Inc., 225 Fifth Avenue, New York, N. Y.
Window Shade Data Book. Folder, 28 pp., 8½ x 11 ins. Illustrated.
Window Shade Rollers. Brochure, 24 pp., 8 x 11 ins. Illustrated. Rollers and accessories.

WINDOWS, STEEL AND BRONZE

David Lupton's Sons Company, Philadelphia, Pa.
A Rain-shed and Ventilator of Glass and Steel. Pamphlet, 4 pp., 8⅝ x 11 ins. Deals with Pond Continuous Sash. Sawtooth Roofs, etc.
How Windows Can Make Better Homes. Booklet, 3⅞ x 7 ins., 12 pp. An attractive and helpful illustrated publication on use of steel casements for domestic buildings.

Truscon Steel Company, Youngstown, Ohio.
Drafting Room Standards. Book, 8½ x 11 ins., 120 pages of mechanical drawings showing drafting room standards, specifications and construction details of Truscon Steel Windows, Steel Lintels, Steel Doors and Mechanical Operators.
Truscon Solid Steel Double-Hung Windows. 24 pp. Booklet, 8½ x 11 ins. Containing illustrations of buildings using this type of window. Designs and drawings of mechanical details.
Continuous Steel Windows and Mechanical Operators. Catalog 126. Booklet, 32 pp., 8½ x 11 ins. Illustrated.

WOOD—See also Millwork

American Walnut Mfrs. Association, 618 So. Michigan Boulevard, Chicago, Ill.
American Walnut. Booklet, 7 x 9 ins., 46 pp. Illustrated. A very useful and interesting little book on the use of walnut in Fine Furniture with illustrations of pieces by the most notable furniture makers from the time of the Renaissance down to the present.
American Walnut for Interior Woodwork and Paneling. 7 x 9 ins. Illustrated. Discusses interior woodwork, giving costs, specifications of a specimen room, the different figures in Walnut wood, Walnut floors, finishes, comparative tests of physical properties and the advantages of American Walnut for woodwork.

Curtis Companies Service Bureau, Clinton, Iowa.
Curtis Cabinet and Stair Work. Booklet, 47 pp., 7¾ x 10½ ins. Illustrated.
Curtis Windows. Brochure, 7¾ x 10½ ins. Illustrated.
Curtis Interior Doors. Booklet, 7¾ x 10½ ins. Illustrated.
Curtis Entrances and Exterior Doors. Brochure, 7¾ x 10½ ins. Illustrated.

National Lumber Mfrs. Assn., Washington, D. C.
Airplane Hangar Construction. Booklet, 24 pp., 8½ x 11 ins. Use of lumber for hangars.

WOOD FINISH

Minwax Company, 11 West 42nd St., New York.
Color card and specification for Minwax Flat Finish. Folder, 4 pp., 8½ x 11 ins. Illustrated. Deals with a penetrative, preservative stain finish giving stain and soft wax effect.

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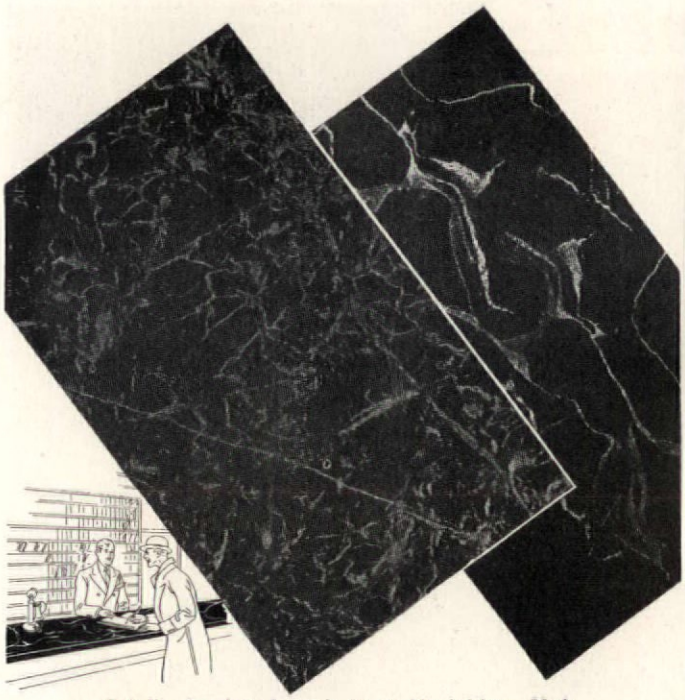
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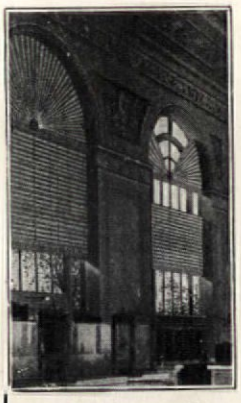
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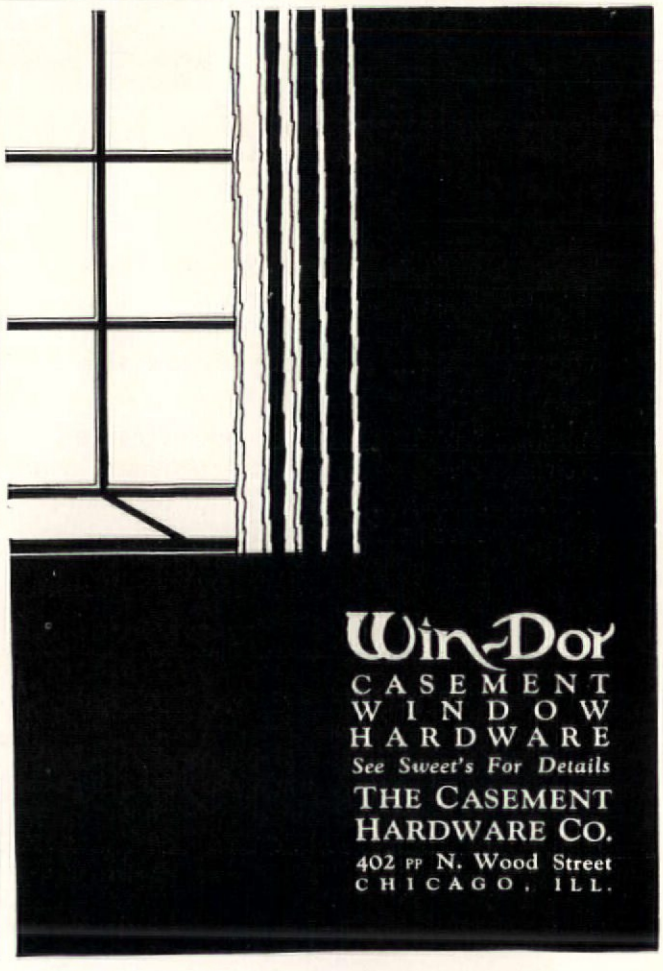
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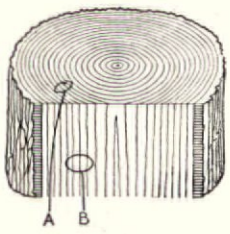
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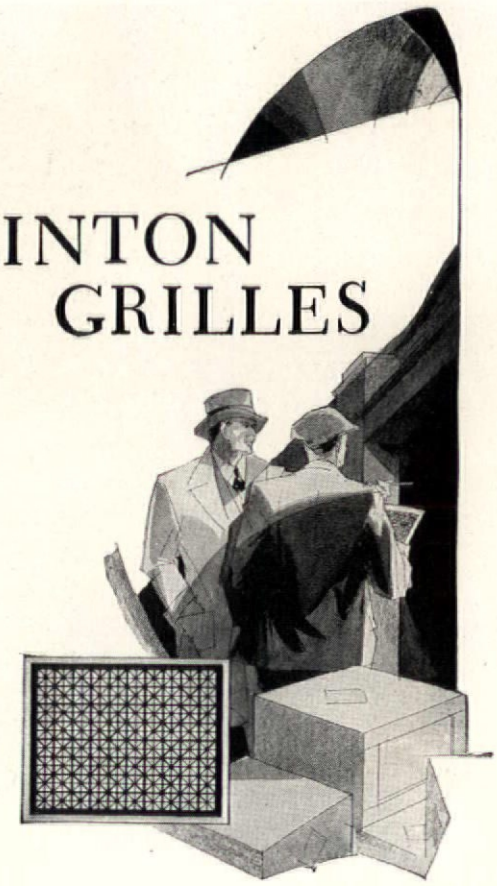
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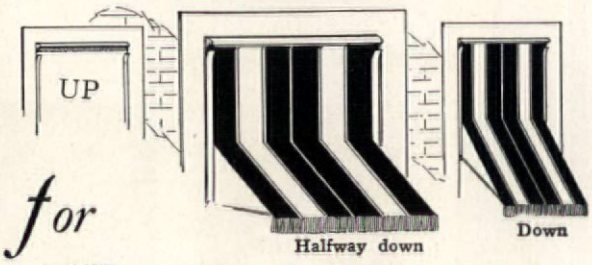
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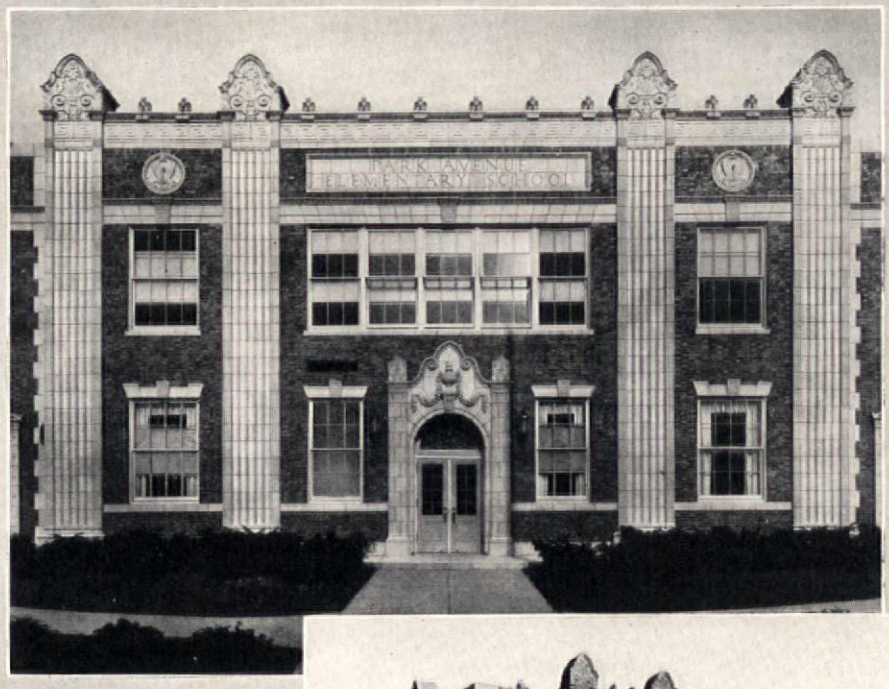
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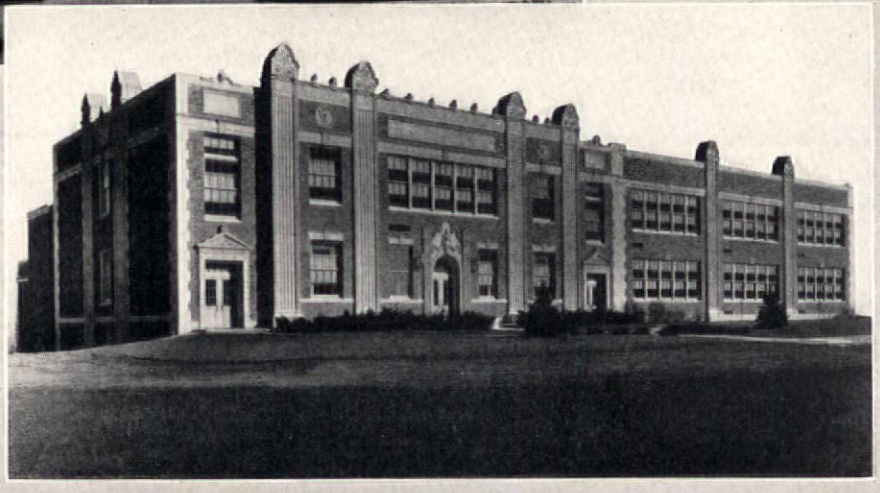
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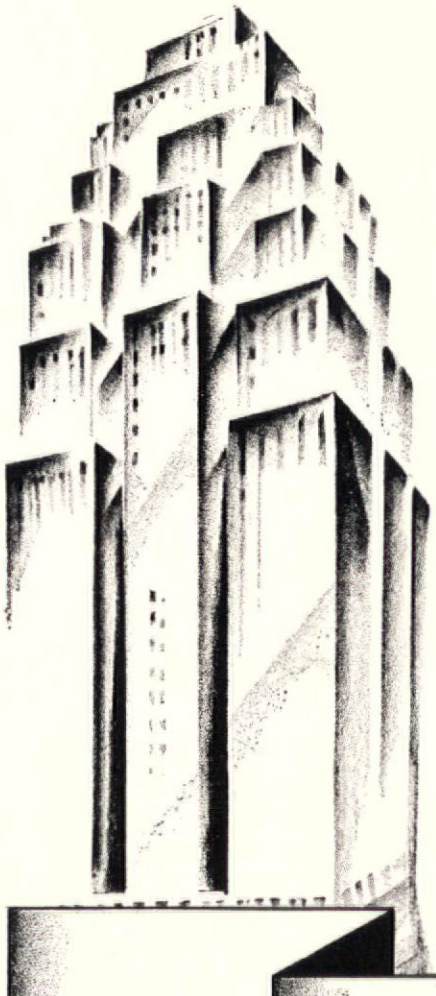
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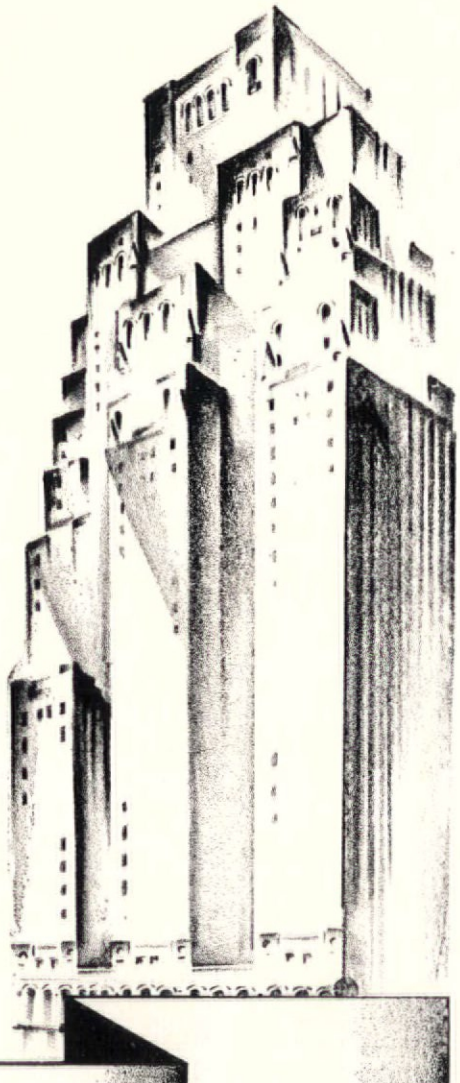
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REVIEWS OF MANUFACTURERS' PUBLICATIONS

JENKINS BROTHERS, New York, Philadelphia, Chicago. "Hotels and Department Stores, Yesterday and Today."

Among America's outstanding architectural developments there stand out conspicuously and in the front rank the hotel and the department store. Buildings of both these classes have reached in the United States a point of perfection unknown elsewhere in the world. Nor are the new standards exclusively those of architecture proper, for in that general and comprehensive term there must be included the equipment which apart from mere size constitutes the principal detail of the improvement. These two brochures form part of a series of booklets dealing with widely known buildings of a number of classes,—structures erected years ago and other buildings of recent dates,—in which the well known Jenkins valves have been used, since the age of the firm and the excellence which has always distinguished its valves have meant their being used for many years. Each of these booklets illustrates several hotels or department store buildings built years ago and others constructed quite lately, and each of the brochures carries an insert illustrated in color and dealing with the different types of Jenkins valves suited for use in buildings of the kind or type under consideration.

DETROIT STEEL PRODUCTS COMPANY, Detroit. "Fenestra Screen Casements." Valuable brochure on their use.

The use of casement windows which has been growing during recent years might be even more widespread could home owners be convinced of the possibility of fitting them with practical and readily operated window screens. In many places it is absolutely necessary to use such screens as defense against flies and mosquitoes, and yet many have experienced difficulty when it came to fitting them upon windows of the casement type, a type which of course possesses countless highly practical advantages. This booklet deals with just this and describes and illustrates a line of extremely practical screens. "Realizing the need for a steel casement, Fenestra now presents a window which will satisfy the requirements and meet the expectations of the critical architect and home owner. Fenestra was America's pioneer manufacturer of steel windows. For many years, a national reputation for quality of material, beauty of design, honesty of manufacture and excellence of service has been Fenestra's proudest possession. It is upon a foundation of these qualities that America's oldest and largest steel window makers now present the Fenestra Screen Casement. This new window combines with simplicity and economy such convenience and comfort as to establish a new high standard of usefulness.

SAMUEL CABOT, INC., 141 Milk Street, Boston. "Cabot's Quilt for Insulating Against Heat, Cold and Sound."

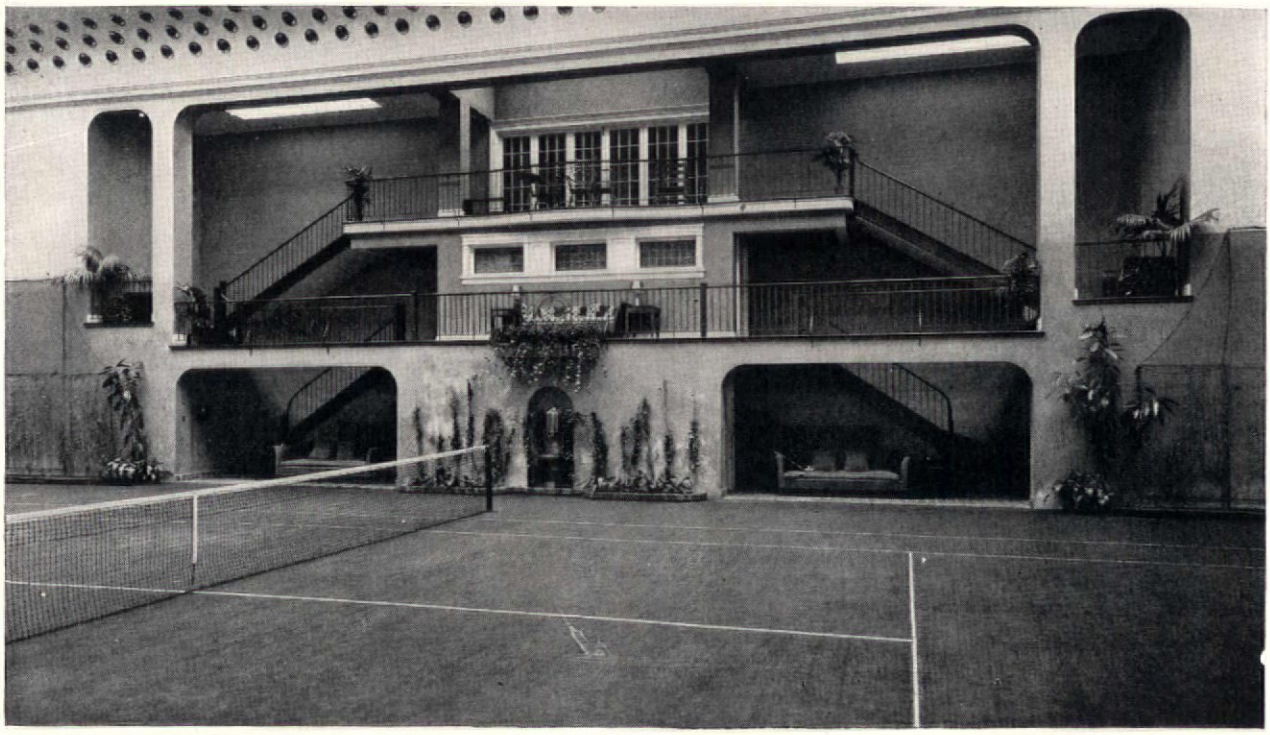
Careful architects and reliable builders are paying close attention to securing in their buildings,—particularly residence structures,—all possible insulation against the passage through walls, floors and roofs of heat, cold and sound. In these days of excessively high building costs the utmost must be made of areas which years ago would have been considered fit only for storage purposes; now a space under a sloping roof can by a little ingenuity and use of a few well designed dormer windows, which once would have been a garret or an attic, can be made into bedrooms or adapted to some other equally practical use, but this involves the necessity of carefully insulating roofs and walls lest these areas be insufferably hot in summer and unbearable in winter because of the cold; and for these purposes there is nothing better or more widely and favorably known than "Cabot's Quilt." So too with insulating against the passage of sound through walls and floors, of great importance where people must live in small apartments placed closely together, in two- or three-family houses, or even in individual houses, where it is desired to deaden noise from kitchens, pantries or furnace rooms or rooms where music is being practiced. For all these purposes "Cabot's Quilt" has been long used, and its use is needed today more than ever. These booklets go quite fully into the subject, describe the composition of the "quilt," and give views of countless buildings of divers sorts in which it has been used, together with letters from architects, engineers and builders expressing satisfaction with the results.

OLD VIRGINIA BRICK COMPANY, Salem, Va. "The True Moulded Old Virginians." A fine type of brick.

Although much of the interest of the fine brickwork in the famous old houses in Virginia and Maryland is undoubtedly due to the skill of the men who built it,—to their taste and discrimination in using appropriate bonds and types of mortar joints,—much must be conceded to the excellent qualities of the brick themselves. It was before the day of producing brick in vast quantities by machine methods in huge brick yards. When a house was to be built the workers established their yards and kilns on the site itself; the soil of the site generally produced the clay used, and the firing was done by methods handed down from generation to generation of brick makers. The brick were in every sense of the word "home-made," and when the walls were completed, they possessed all the dignity and character which belong to all things which are skillfully made by hand. And yet all this is not beyond the reach of builders today. True, brick are rarely if ever made and burned on the site where they are to be used,—which after all doesn't matter much,—but there was nothing in either the use of materials or shaping and burning brick which cannot be done quite as well today. The ground still yields precisely the same types of clay, and surely our architects and our brick masons are as skillful as were those of the eighteenth century. This booklet, issued by The Old Virginia Brick Company, may well engage the attention of architects and builders who are trying to get character into their brickwork. It deals with brick of the highest type. "These Old Virginians are true moulded brick. Brick moulded in the same kind of solid cherry moulds as were the brick of Washington's and Jefferson's day,—brick totally free from the monotony and severity of line of the present-day pressed or wire-cut bricks. Here are bricks with softened edges, and those up-and-down crazecracks, and the slight bends and bulges that give a wall such interest, bricks in colors so subdued as to have acquired the effect of age without in any way clouding the rich depth of natural colorings,—those inherent colors that are in the Blue Ridge Mountain pulverized shale, from which they are made, bricks with a face texture that's as near a velvet effect as anything can be, an effect secured by the special kind of sand used in the moulds. Here then at last are bricks that are true Old Virginians. Frankly, there is no real use trying to actually describe them. But there's a way to easily know for oneself." The brochure then mentions a "brick kit" of 18 half-dimension or quarter-size Old Virginians with which an architect might build up a wall in miniature to study the effect, particularly as the "kit" includes strips of compo board for simulating joints.

THE JOHN VAN RANGE CO., Cincinnati. "Practical Planning for School Food Service." A brochure on the subject.

The custom of supplying luncheons to pupils in schools has now become so widespread and general that along with everything else pertaining to schools it is organized and systematized upon a scale more or less extensive. Of course in schools of a residence character the supplying of food service has always had an important place, but today grade schools and high schools, manual training and technical schools as well as universities and similar institutions are equipped to supply at least one meal per day, and often the facilities are made sufficiently ample to provide a larger service. Even in places so small as to be almost unknown the giving of service of an advanced order is now quite customary. This booklet, issued by the John Van Range Co., a division of the well known Albert Pick-Barth Company, Inc., a firm which has made a long and highly successful study of the planning and equipping of restaurants and hotels, could hardly fail to be of interest to architects and educators as well as to anyone concerned in any way with the building, equipment or conducting of schools of any description. It deals chiefly (although not exclusively) with the "cafeteria," where patrons wait upon themselves after being supplied from a service counter. Views of the interiors of many well ordered cafeterias are given along with their plans and likewise the plans of their kitchens and other auxiliary rooms which mean so much where the aim is to give a rapid and smoothly functioning service. The value of the booklet, to those interested in the subject could hardly be over-estimated.



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REVIEWS OF MANUFACTURERS' PUBLICATIONS

RODDIS LUMBER & VENEER COMPANY, Marshfield, Wis. "Roddis Flush Doors." A brochure on their use.

In buildings of certain types,—and notably in hospitals and schools,—doors must be made to withstand the hardest kind of wear; and it is equally important that they embody certain features which architects, builders, hospital superintendents, educators and others have decided are desirable from standpoints of sanitation and economical maintenance. Their requirements have been well met by certain firms which manufacture doors, and the full extent of their able coöperation is explained in this booklet issued by the well-known Roddis Lumber & Veneer Company. The manufacture of these doors has been brought to what is almost a scientific formula. The matter of design is of course dealt with by highly trained and competent designers, but before there comes use for design the material has been well and thoroughly prepared. The Roddis firm, for example, posssses its own forest, thus being wholly independent, in securing its raw material, of sources of supply which might or might not be particularly interested in the type or quality of the lumber furnished. Then when a tree has been cut down and sawed up into lumber it is cut into narrow strips, dried in kilns, treated to various processes and subjected to different degrees of humidity, dried, treated and steamed again and again until the wood has been brought to the condition which experience has proved is suitable for the purpose intended,—and all this requires almost two years' time. These doors are "laminated,"—built up in "plies" or layers. They are scientifically strong and solid, with no thin, vibrating panels to rattle or to transmit sound. They are completely sanitary with no cracks or crevices to collect dust; they are likewise soundproof and fire-resistant. This brochure goes into the subject in every possible detail and illustrates many types of doors for various uses, giving particular attention to doors used for X-ray operating rooms, which demand a special treatment. The booklet is replete with data of every necessary kind and is profusely illustrated.

TUTTLE & BAILEY MFG. CO., 441 Lexington Avenue, New York. "New Artistry in Radiator Concealment."

The grilles or enclosures which are now being widely used to screen or conceal heating radiators should serve more than one function. Most people think of them as useful only to hide a detail of equipment which is essential to comfort but which could scarcely be made beautiful, and yet such a covering can be so designed and built that it directs the radiation to produce greater comfort in the rooms heated. This booklet from the well known Tuttle & Bailey Mfg. Co. deals with exactly this. "Radiator enclosures, commonly supposed to retard the circulation and therefore the flow of heat, could be so designed as to improve that circulation, or at least utilize to better advantage the heat thrown off by the uncovered radiator. Such was our conclusion after an examination of the subject, made prior to offering our all-metal radiator cabinets to the householder. We found that most enclosures are designed and built by those who have neither technical training nor actual experience in heating and ventilating. Hesitancy to cover radiators was then based on the results from imperfectly designed enclosures. Our engineering department, with more than 80 years experience in heating and ventilating, drew up certain specifications for our various styles: (1) Ample space below for ingress of cold air off the floor; solid back and ends to deflect air currents out into the room. (2) Grille area as high as possible to prevent pocketing of heated air under top. (3) Strong angle bar across back to hinge top to and keep it rigid. (4) Top hinged for convenience in cleaning radiator, filling humidifier and adjusting valves. (5) Catch to hold the top part way open for increased heat on cold mornings and zero weather. (6) Light-weight humidifier that could be easily removed for cleaning. (7) Adjustable feet, permitting cabinet to be always level." The brochure is replete with diagrams which illustrate the practical advantages of these grilles, while many views of interiors show the excellent designs in which they are to be had and the architectural appearance they present when they are installed.

THE COLUMBIA MILLS, INC., 225 Fifth Avenue, New York. "Columbia Window Shade Rollers."

Every detail of equipment which enters into furnishing seems to have been made the subject of study and experiment until it has been brought nearly, if not quite, to perfection. So with the rollers which are used for window shades and for the awnings used at windows and doors and sometimes for shading verandas and terraces. This booklet illustrates, describes and lists an extensive assortment of these rollers together with all the fittings, such as brackets, sockets, pulleys, etc., which enter into their proper installation. The brochure also gives data on the correct methods of hanging window shades of different types, and on the tools and appliances used for making shades from the various fabrics made and marketed by the Columbia Mills, Inc.

AMERICAN STOVE COMPANY, St. Louis. "Lorain Sales Almanac, Second Half 1929."

The kitchen is now sharing the attention which architects and interior decorators have long been lavishing on all the other rooms of a house. There is nothing in the way of kitchen equipment which need necessarily be unsightly or ugly, but until lately manufacturers of cooking equipment, sinks, refrigerators and other kitchen details regarded them only as objects of utility, in which appearance counted for little or nothing. But, due perhaps to the urge of progress and improvement which has changed almost everything having to do with the modern home, these same manufacturers have been studying the niceties of design and possibilities of the use of color, the result being vast improvement in the way of appearance as well as in that of utility and efficiency. This booklet, issued by large manufacturers of kitchen ranges, may well engage the attention of architects, builders, home owners and housekeepers. It contains reprints of full-page advertisements prepared for use in a number of high class publications. The illustrations, many in full color, show the gradual evolution of the kitchen from its early forms into what it is today. Many of the kitchen interiors have been designed by the New York School of Fine and Applied Art, and these interiors as well as some of the others show excellent use of color for walls and floors as well as for ranges, refrigerators and other details of kitchen equipment. The booklet abounds in useful suggestions which are valuable because they are wholly practical.

W. A. CASE & SON MFG. CO., 220 Delaware Avenue, Buffalo. "The T/N One-piece Water Closet."

Perhaps the great increase in the number of bathrooms in American residences and apartments has brought about the vast improvement which has been made in the fittings used therein,—or has this improvement brought about the building of more bathrooms? Tubs, showers, wash basins and other fittings have been made the subjects of endless experiment, until now there seems to be no further improvement likely to be made. No detail, however, has been so immensely improved as the water closet. The old fashioned water closet,—regarded as a real achievement in its day,—would be regarded now as a relic of the dark ages, with its boxed-in casing to collect dust and debris, and even the types which came a little later would now be considered quite inadequate if not distinctly undesirable. The full extent of the improvement made in the water closet might best be realized by examining this brochure which describes and illustrates the "T/N" One-piece Water Closet" with its flushing action which, while powerful, is so nearly noiseless that with ordinary water pressure it can scarcely be heard outside the bathroom door. The type possesses other advantages, for it saves space, is easy to install and keep clean, is non-overflowing, and protects the water supply from pollution. That its desirability is fully appreciated is attested by a lengthy list of names of architects who specify the "T/N" and by illustrations of countless residence structures of different kinds where it is in use. The booklet is replete with data.

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INDEX TO ADVERTISING ANNOUNCEMENTS

Part 1—Architectural Design

Acme Brick Company 4
Adamston Flat Glass Company 98
Aluminum Company of America 74, 75, 76
American Brass Company 9
American Face Brick Association 22
American Seating Company 52
American Walnut Manufacturers Association 44
Armstrong Cork Company 19, 67
Athey Company 96

Baguès, Inc. 54
Bakelite Corporation 96
Berman Company, Eli 54
Best Bros. Keene's Cement Co. 69
Blank & Company, Frederic 55
Brasco Manufacturing Co. 12, 13

Carney Company, The 81
Casement Hardware Co., The 96
Cassard Romano Company, Inc. 53
Circle A Products Corporation 26
Clemetsen Co., The 38
Clinton Metallic Paint Co. 72
Columbia Mills, Inc., The 35
Congoleum-Nairn, Inc. 29, 30, 31, 32
Corbin, P. & F. 16
Covert Company, The H. W. 58
Curtis Companies Service Bureau, The 63

Dahlstrom Metallic Door Co. 78
DeLong Furniture Co. 47
Detroit Steel Products Co. 36
Dierks Lumber & Coal Co. 68
Du Bois Fence and Garden Co., Inc. .. 58
Duraflex Company, Inc., The 70

Eagle-Picher Lead Company, The 3

Federal Cement Tile Company 6
Fiske Iron Works, J. W. 103
Formica Insulation Company, The 95

Georgia Marble Company, The 107

Hamlin, Irving 64
Hanley Company 1
Hartmann Sanders Co. 73
Hartshorn Co., Stewart 100
Hauserman Co., The E. F. 23
Heinz Roofing Tile Co., The 2
Hess Warming & Ventilating Co. 72
Higgins & Co., Chas. M. 70
Holophane Co., Inc. 91
Hood Company, B. Mifflin 8
Hope & Sons, Inc., Henry 25

Indiana Limestone Company 5

Jacobson Mantel & Ornament Company 58
Jacobson & Company 50
Johnson & Faulkner 48

Kawneer Co., The 93
Kensington Mfg. Company 43
Kent-Costikyan 49
King Construction Company 66
Kittinger Company 45
Klein & Co., Inc., Henry 40, 57

Libbey Owens Sheet Glass Co., The .. 105
Ludowici-Celadon Company 24
Lupton's Sons Co., David 21
Lutton Company, Inc., Wm. H. 66

Macbeth-Evans Glass Co. 89
Modern Bronze Store Front Co. 15
Murphy Varnish Company 87

National Lead Company 64
National Terra Cotta Society 99
Newcomb Mfg. Company, F. J. 56

Pardee Works, The C. 7
Pease & Elliman, Inc. 72
Pecora Paint Co. 70
Penn Hardware Company 18
Pratt & Lambert, Inc. 83

Rambusch 56
Ramp Building Corporation 11
Ritter Lumber Company, The W. M. ... 97
Robinson & Co., Inc., H. A. 64
Roddis Lumber & Veneer Company 71
Russell & Erwin Mfg. Co. 20

Sargent & Company 14
Shanklin Manufacturing Co., Inc. 98
Sheldon Slate Co., F. C. 10
Sherwin-Williams Co., The ....Fourth Cover
Sloane, W. & J. 65
Sterling Bronze Company, Inc. 51
Stone & Webster Engineering Corporation 17

Thorp & Co., Inc., J. H. 46
Todhunter, Inc. 54
Tuttle & Bailey Mfg. Co. 56
Tyler Company, The .....Second Cover

U. S. Gutta Percha Paint Co. 85
United States Gypsum Company ..... 61, Third Cover
United States Rubber Company 59

Wheeler, Osgood Company 77
"White" Door Bed Company, The 101
Wickwire Spencer Steel Co. 98
Wilson Corporation, The J. G. 108

Zenitherm Company, Inc. 62
Zouri Drawn Metals Company 15

Part 2—Architectural Engineering and Business

Aerofin Corporation 211
Alabama Pipe Company 167
Alberene Stone Company 120
Allen & Billmyre Co., Inc. 210
American Blower Corp. 200
American Brass Company, The 147
American Institute of Steel Construction, Inc. 144
American Laundry Machinery Co., The 195
American Radiator Company 129, 210, 218
American Rolling Mill Company, The .. 165
American Telephone & Telegraph Co. ... 133
A. P. W. Paper Company 160
Armstrong Cork & Insulation Company 189
Automatic Electric, Inc. 197

Barrett Company, The 177
Bates Expanded Steel Truss Co. 199
Berger Mfg. Company, The 203
Bramhall Deane Co. 178
Brownell Company, The 210
Brunswick-Balke-Collender Co., The .. 193

Carey Company, The Philip 185
Carnegie Steel Company 201
Central Alloy Steel Corp. 204
Chromium Corporation of America 154
Clow & Sons, James B. 153
Cohoes Rolling Mill Co. 157
Concrete Engineering Co. 209
Concrete Steel Co. 206
Cowing Pressure Relieving Joint Co. .. 158
Cutler Mail Chute Co., The 162

Dixon Crucible Company, Joseph 137
Domestic Stoker Company 212
Douglas Co., The John 150
Dunham Co., C. A. 216
Duriron Company, The 164

Electric Storage Battery Company, The 119
Electrol, Inc., of Missouri 213
Expan-Hub. 167

Fitzgibbons Boiler Company 220
Frigidaire Corporation 141
Fulton Sylphon Company, The 191

General Refrigeration Company 162
G. & G. Atlas Systems, Inc. 130

Heggie-Simplex Boiler Co. 142
Hoffman Specialty Company, Inc. 225
Home Incinerator Co. 171
Hubbell, Incorporated, Harvey 134

Imperial Brass Mfg. Co., The 162
International Heating and Ventilating Exposition 214
International Nickel Company, The .... 151, Third Cover

Janette Mfg. Co. 212
Jenkins Bros. 187
Johns-Manville Corporation 126, 173

Kalman Steel Company 205
Kerner Incinerator Co. 176
Kewanee Boiler Corporation 112
Kewanee Private Utilities Co. 160
Kinnear Mfg. Co. 202
Kohler Co. 156
Kosmos Portland Cement Company 164

Louisville Cement Company 125

Maddock's Sons Co., Thos. 148
May Oil Burner Corporation 217
McQuay Radiator Corporation 218
Milwaukee Corrugating Company 208
Minwax Company, Inc. 166
Modine Manufacturing Company 223
Mueller Co. 149

Nash Engineering Co., The 117, 118, 183
National Electric Products Corporation ..... Fourth Cover
National Fireproofing Company 109
National Lumber Manufacturers Association 207
National Radiator Corporation 175
National Tube Company 155
Nelson Corporation, The Herman 127, 128
North Western Expanded Metal Co. ... 113

Otis Elevator Company 132

Peerless Unit Ventilation Co., Inc. 212
Prometheus Electric Corp. 198

Raymond Concrete Pile Company 111
Reading Iron Company 161
Receivador Sales Company 168
Republic Iron & Steel Co. 169
Richards Wilcox Mfg. Co. .....Second Cover
Rome Brass Radiator Corporation 229

Sarco Co., Inc. 158
Sedgwick Machine Works 164
Servel Sales, Inc. 172
Sonneborn Sons, Inc., L. 227
Speakman Company 159
Spencer Heater Company 221
Standard Conveyor Company 170
Steel Frame House Company 179
Sterling Engineering Company 178
Stringer Bros. Co., Inc. 167
Structural Clay Tile Association 114, 115
Structural Gypsum Corporation 180
Sturtevant Co., B. F. 219

Titusville Iron Works Co., The 222
Toch Brothers 124
Trane Co., The 215
Trenton Potteries Company, The 152
Troy Laundry Machinery Co., Inc. 174
Truscon Steel Company 110, 198

United Chromium, Incorporated 154
United Metal Products Co., The 202
United States Rubber Company 163
U. S. Mineral Wool Company 160

Van Range Co., The John 122, 123
Vilter Manufacturing Company, The .. 168
Vonnegut Hardware Co. 139

Weidenmiller Bros. 168
Western Pine Manufacturer's Association 178
Westinghouse Electric and Manufacturing Company 230
Weyerhauser Forest Products 131

York Ice Machinery Corporation 116
Youngstown Sheet & Tube Co., The .. 121

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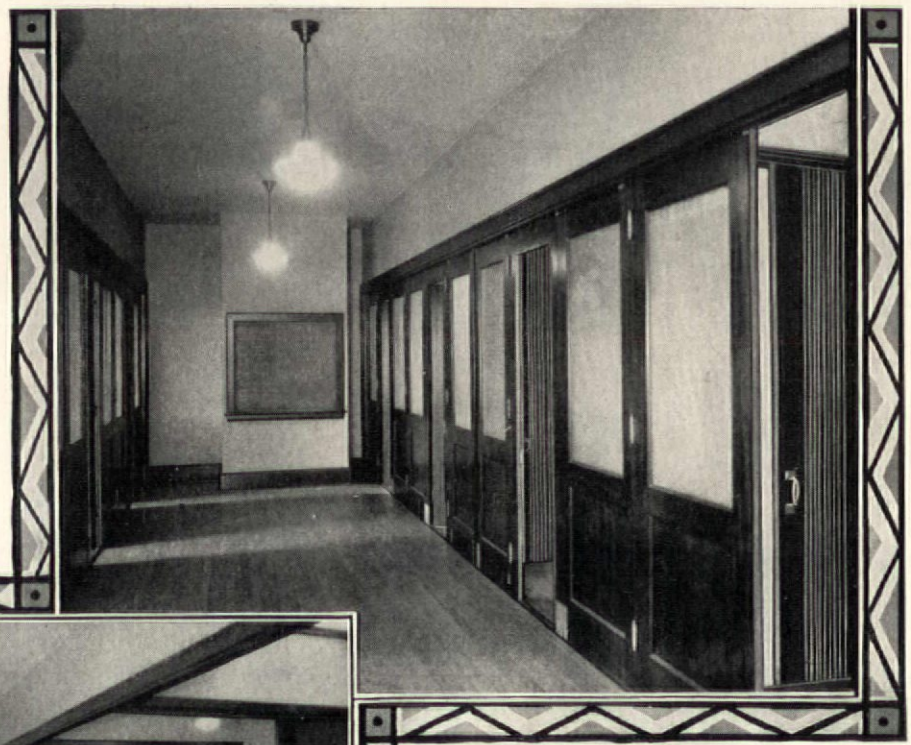
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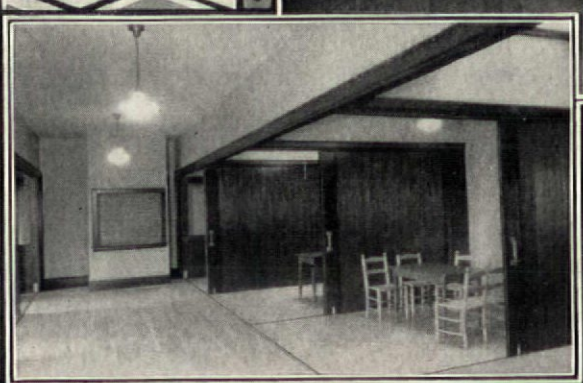
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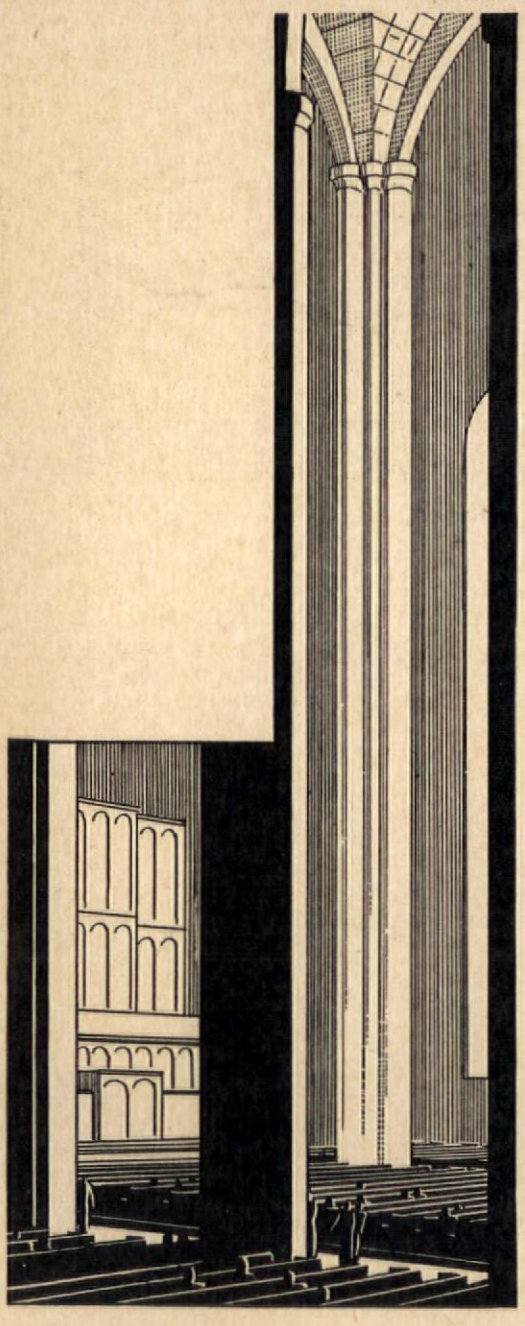
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